

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☒

2. NAME OF OPERATOR

TEB, Inc.

(316) 637-2340

3. ADDRESS OF OPERATOR

Route 1, Box 82, Toronto, Kansas 66777

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At surface

660' FSL & 1980' FWL (SESW)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

21 air miles WSW of Blanding, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

2,353

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1,320'

19. PROPOSED DEPTH

2,700'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6,667' ungraded ground

22. APPROX. DATE WORK WILL START\*

Nov. 10, 1987

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24* (J-55 ST&C)	1,100'	825 SX
7-7/8"	5-1/2"	14* (J-55 ST&C)	2,700'	625 SX

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 11-12-87

BY: John R. Bay

WELL SPACING: R615 32

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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Brian Wood*

TITLE

Consultant

DATE

10-24-87

(This space for Federal or State office use)

PERMIT NO.

43-037-31362

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

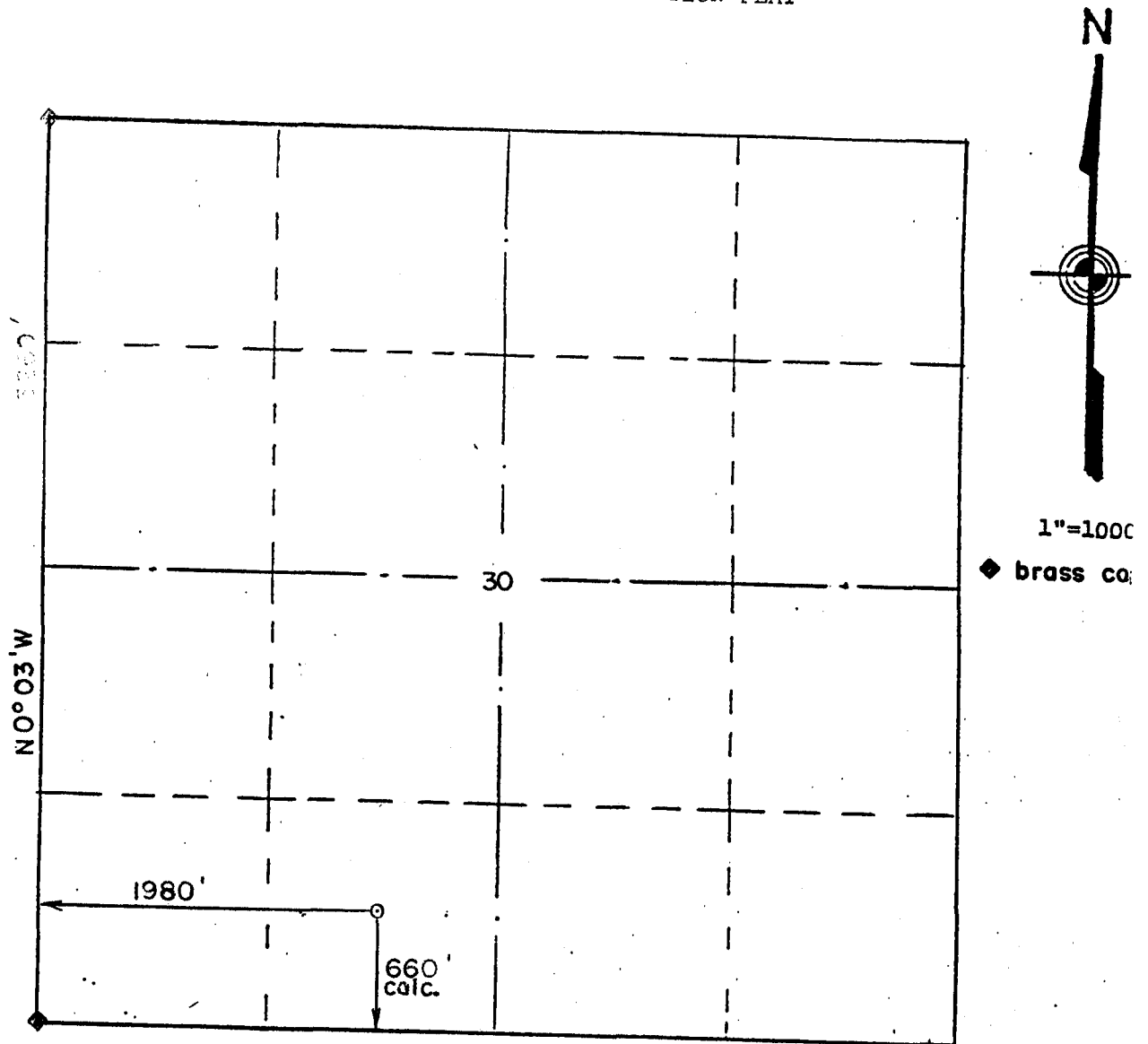
DATE

cc: Bird (3), MDO (3), SJRA (1), UDOGM (2)

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# WELL LOCATION AND ACREAGE DEDICATION PLAT



## WELL LOCATION DESCRIPTION:

TEB, Inc. Cyclone Flat #1  
 660' FSL & 1980' FWL  
 Section 30, T.37 S., R.19 E., SLM  
 San Juan County, Utah  
 6667' ground elevation

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 OIL, GAS & MINING

The above plat is true and correct to my knowledge and belief.

22 October 1987

REGISTERED LAND SURVEYOR  
 No. 5705  
 GERALD G. HUDDLESTON  
*Gerald G. Huddleston*  
 Gerald S. Huddleston, LS  
 STATE OF UTAH

T. E. BIRD  
ROUTE 1, BOX 82  
TORONTO, KANSAS 66777

316-637-2340

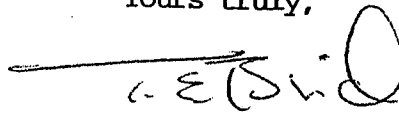
1255/10/21/87

Re: APDs

TO WHOM IT MAY CONCERN:

This letter authorizes Mr. Brian Wood, Permits  
West, Inc., Santa Fe, New Mexico, to sign APDs on  
behalf of TEB, Inc.

Yours truly,



T. E. Bird, President  
TEB, Inc.

TEB:mb

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TEB, Inc.  
Cyclone Flat #1  
660' FSL & 1980' FWL  
Sec. 30, T. 37 S., R. 19 E.  
San Juan County, Utah

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All lease operations will be conducted in full compliance with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas Order #1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. TEB, Inc. will furnish a copy of these conditions to its field representative to assure compliance.

### 8 Point Drilling Program

#### 1. ESTIMATED FORMATION TOPS

<u>Formation Name</u>	<u>Depth from GL*</u>	<u>Depth from KB</u>	<u>Subsea Depth</u>
Cedar Mesa Ss	000'	12'	+6,667'
Halgaito Shale	1,060'	1,072'	+5,607'
Hermosa	1,460'	1,472'	+5,207'
Upper Ismay	2,395'	2,407'	+4,272'
Lower Ismay	2,495'	2,507'	+4,172'
Desert Creek	2,620'	2,632'	+4,047'
P-40 Shale	2,675'	2,687'	+3,992'
Total Depth (TD)	2,700'	2,712'	+3,967'

\* ungraded GL

#### 2. NOTABLE ZONES

The estimated formation top depths from ungraded GL at which water, oil, gas, or other mineral bearing zones are expected to be encountered are:

##### Possible Fresh Water Zone

Cedar Mesa: 000'

##### Possible Salt Water Zones

Upper Ismay: 2,395'

Lower Ismay: 2,495'

Desert Creek: 2,620'

##### Possible Oil & Gas Zones

Upper Ismay: 2,395'

Lower Ismay: 2,495'

Desert Creek: 2,620'

TEB, Inc.

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Cyclone Flat #1

660' FSL & 1980' FWL

Sec. 30, T. 37 S., R. 19 E.

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Water bearing zones will be protected with weighted mud. All fresh water encountered during drilling will be recorded by depth, cased, and cemented. All oil and gas shows will be tested to determine commercial potential.

3. PRESSURE CONTROL (Also see "5." on PAGE 4)

BOP systems will be consistent with API RP 53. A 10" x 3,000 psi double ram and annular preventer with a 3,000 psi choke manifold will be used. A diagram of a typical BOP is on Page 3. Actual model will not be known until bid is let.

Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. BOP controls will be installed before drilling the surface casing plug, and will stay in use until the well is completed or abandoned. Preventers will be pressure tested before drilling casing cement plugs. All BOP mechanical and pressure tests will be recorded on the drillers log.

BOPs will be inspected and operated at least daily to assure good mechanical working order. This inspection will be recorded on the daily drilling report.

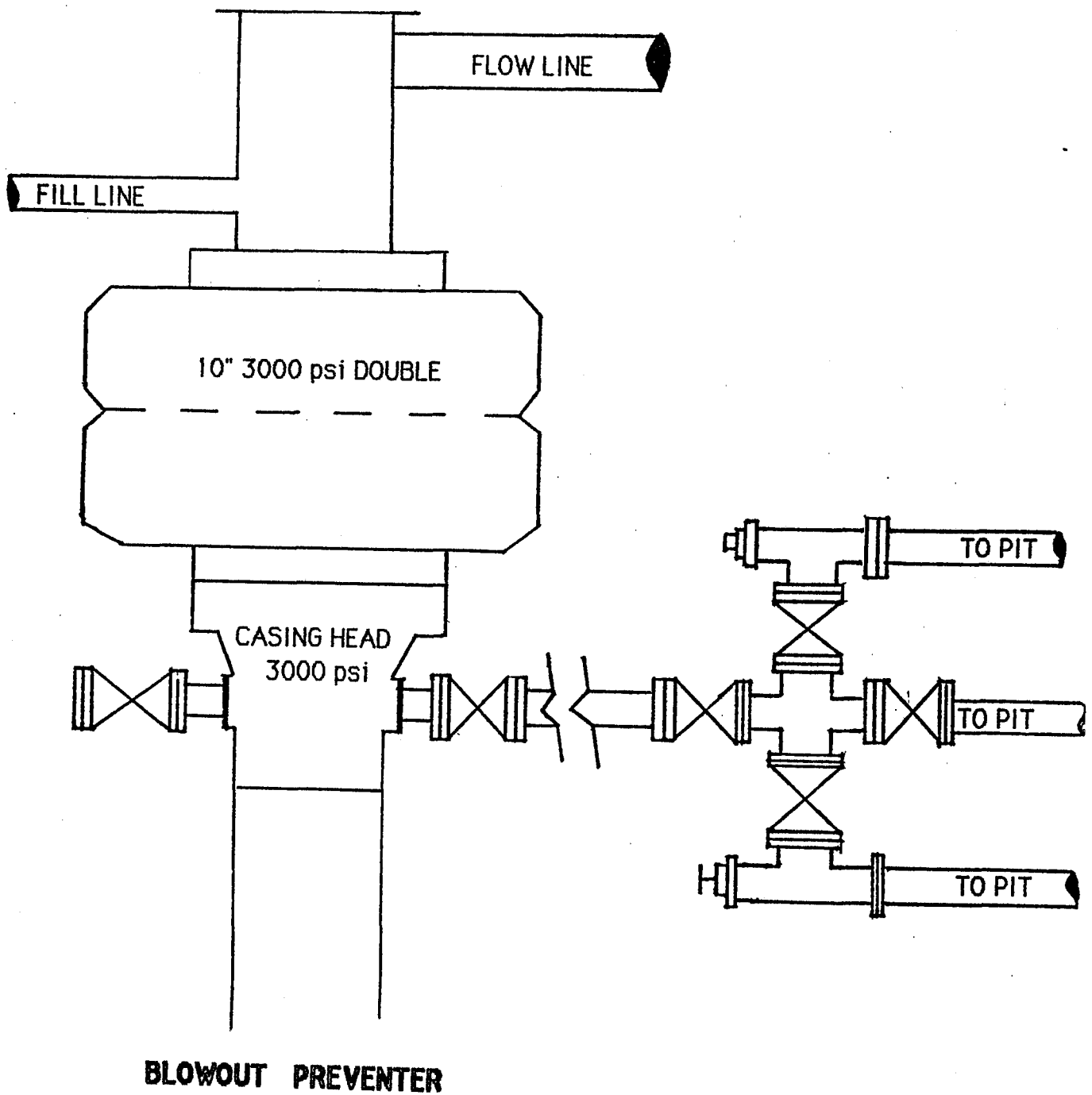
4. CASING & CEMENTING

<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>	<u>Age</u>	<u>Setting Depth (GL)</u>
12-1/4"	8-5/8"	24*	J-55	ST&C	New	0'-1,100'
7-7/8"	5-1/2"	14*	J-55	ST&C	New	0'-2,700'

Surface Casing (0-1,100'): Cement to surface with 825 sx standard cement with 2% CaCl<sub>2</sub> and 1/4 lb/sk Flocele.

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Cyclone Flat #1  
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Cyclone Flat #1

660' FSL & 1980' FWL

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Production Casing (0' - 2,700'): Cement to surface with 625 sx premium 50/50 Poz A with 2% total gel and 5 lb/sk Cal-seal with 18% salt.

The San Juan Resource Area will be notified one day before running casing strings and cement.

#### 5. MUD PROGRAM

<u>Depth</u>	<u>Type</u>	<u>Weight (ppg)</u>	<u>Viscosity (sec/qt)</u>
0'-500'	Fr. Water	9.0	45
500'-2,700' (TD)	Fr. Water	9.4	28-45

Lost circulation material (walnut shells, cedar bark, *etc.*) will be on location.

#### 6. CORING, TESTING, & LOGGING

No cores are planned. Drill stem tests may be run in the Ismay and Desert Creek if good shows are found. The following logs may be run:

GR: Total Depth to Surface  
FDC/CNL/DLL/BHC: Total Depth to 500'

Whether the well is completed as a dry hole or producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well, or after completion of operations being performed, *per* 43 CFR 3164. Two copies of all logs, core descriptions & analyses, well test data, geologic summaries, sample descriptions, and all other data obtained during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. (If requested, sample cuttings, fluids, and/or gases will be submitted to the

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District Manager.)

7. DOWNHOLE CONDITIONS

The maximum anticipated bottom hole pressure is 2,000 psi. No abnormal pressures, temperatures, or hydrogen sulfide are expected.

8. MISCELLANEOUS

The anticipated spud date is November 10, 1987. It is expected it will take 1 week to drill the well and 10 days to complete the well.

TEB, Inc. or its dirt contractor, will contact the Resource Area 48 hours before starting dirt work.

BLM may inspect or witness the following:

- 1) BOP tests or cementing and testing surface casing
- 2) Setting and testing surface casing shoe plug on a dry hole
- 3) Setting and testing of plugs across a producing horizon, and if applicable, the surface casing shoe plug and/or annulus squeeze jobs on a depleted producer.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date will be phoned to the Resource Area, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5), reporting the spud date and time, will be sent to the District Manager within 24 hours after



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spudding. If the spud is on a weekend or holiday, the Sundry will be sent on the following regular work day.

Starting with the month in which operations begin, and continuing each month until the well is physically plugged and abandoned, a "Monthly Report of Operations" (Form 3160-6) will be sent to the District Manager.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual events will be promptly reported to the Resource Area *per* NTL-3A.

A Sundry Notice will be filed for prior approval of the District Manager if a replacement rig is planned for completion. All conditions of this approved plan apply to all operations of the replacement rig. In emergencies, verbal approval can be given by the District Manager.

If the well is successfully completed for production, then the District Manager will be notified. Written notification will be sent not later than 5 business days following the date on which the well is placed on production. The Resource Area will schedule a first production conference within 15 days after receipt of the first production notice.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Manager. This preliminary approval will not exceed 30 days or 50 MMcf of gas. Approval to vent/flare beyond this initial period will require the District Manager's approval *per* NTL-4A.

No well abandonment operations will begin without the prior approval of the District Manager. With a newly drilled dry hole, failure, or emergency, oral approval will be obtained from the District Manager. A Sundry Notice will be sent to the District Manager within 30 days following completion of the well for abandonment. The Sundry will note where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until reclamation required by the approved APD or abandonment

**TEB, Inc.**

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**Cyclone Flat #1**

**660' FSL & 1980' FWL**

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**San Juan County, Utah**

notice has been completed to the satisfaction of the Area Manager.

Once plugged, a regulation dry hole marker will be erected. The following information will be beaded on with a welding torch: TEB, Inc., Cyclone Flat #1, SESW 30-37s-19e, U-62178.

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Cyclone Flat #1  
660' FSL & 1980' FWL  
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### 13 Point Surface Use Plan

#### 1. EXISTING ROADS (See PAGES 16-17)

From the junction of U-95 and US 191 (*aka*, Shirttail Corner) south of Blanding, Utah, go west 25.3 mi. on U-95.

Then turn left and go southwest 2.3 mi. on a dirt road.

Then turn right and go 150 yards west to the well pad on a new road.

Existing roads are state and BLM. Roads will be maintained to a standard at least equal to their present condition. Only upgrading will be 100 yards of flat blading to remove ruts in SE Sec. 18 and NE Sec. 19. Maximum disturbed width will not exceed 30'.

An Encroachment Permit has been filed with the San Juan County Road Department for part of the water haul route.

#### 2. NEW ROADS (See PAGE 17)

There will be 150 yards of new road. It will be flat bladed with a maximum disturbed width not to exceed 30. There will be no turnouts or fence crossings. Maximum cut or fill will be 3'. Maximum grade will be 5%.

Surface disturbance and vehicle travel will be limited to the approved location and road. Any additional area needed will be approved in advance by the Area Manager. If access is used during wet winter weather, road surfacing may be required.

The access will be water barred or brought to Class 3 Road Standards within 60 days of dismantling the drill rig. If this deadline cannot be met, the Resource Area will be notified so temporary drainage control can be

TEB, Inc.

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Cyclone Flat #1

660' FSL & 1980' FWL

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installed. Class 3 Road Standards control drainage through the use of topography, ditch turnouts, dips, outsloping, crowning, low water crossings, and culverts. Specific measures will be determined at a joint TEB-BLM field inspection.

### 3. EXISTING WELLS

There are no water, producing, injection, or disposal wells within 1 mile. TEB does plan to drill 4 wells within a one mile radius, they are:

Cyclone Flat #2 is 1,320' away at 1980' FSL & 1980' FWL 30-37s-19e

Cyclone Flat #3 is 2,831' away at 1790' FNL & 2020' FWL 30-37s-19e

Cyclone Flat #4 is 3,961' away at 660' FNL & 1950' FWL 30-37s-19e

Cyclone Flat #5 is 5,280' away at 660' FSL & 1980' FWL 19-37s-19e

### 4. PROPOSED PRODUCTION FACILITIES

The type and layout of the production facilities are not known now. An on-site will be held and a Sundry Notice will be submitted for approval before they are installed.

All permanent (on site for 6 or more months) surface facilities will be painted a flat, neutral, earthtone color. Painting will be completed within 6 months of installation. Parts required to comply with OSHA colors will be excluded. Specific color will be determined by BLM after an on-site.

The tank battery will be surrounded by a dike of sufficient capacity to contain 150% of the storage capacity of the largest tank in the battery. All loading lines will be placed inside the dike.

All site security guidelines in 43 CFR 3162.7 will be obeyed. All product

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lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease must have prior written approval from the District Manager.

Any gas meter run will be within 500' of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500' downstream of the meter and any production facilities. Meters will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well pad. Meters will be calibrated in place before delivery begins. Meter accuracy tests will be conducted monthly for the first 3 months on new meters, and at least quarterly thereafter. The Resource Area will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be sent to the Resource Area. All meters will conform with the API standards for liquid hydrocarbons and AGA standards for natural gas measurement.

5. WATER SUPPLY (See PAGE 16)

Water will be trucked 12.7 mi. from Comb Wash on BLM administered land in NE Sec. 13, T. 38 S., R. 20 E. An Application to Appropriate Water has been filed with the State of Utah Div. of Water Rights. This is casual use.

6. CONSTRUCTION MATERIALS

Pad construction materials are native *in situ* soils on lease. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2-3.

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## 7. WASTE DISPOSAL

The reserve pit will not be lined, 60% of the capacity will be in cut.

The pit will be fenced on 3 sides with 4 strands of barbed wire or woven wire topped with barbed wire. The 4th side will be fenced once the rig moves off. The fence will be kept in good repair while the pit dries.

All trash will be placed in a burn pit. It will be built near the mud tanks and dug at least 6' into cut. It will be totally enclosed with a fine wire mesh before the rig moves in. A burning permit is required for burning trash between May 1 and October 31. A burning permit can be obtained by calling the San Juan County Sheriff at (801) 587-2237. The road and pad will be kept litter free.

Human waste will be disposed of in 20' deep ratholes or chemical toilets. The ratholes will be immediately filled when the trailers are removed.

Produced water will be confined to the reserve pit for a period not to exceed 90 days after initial production. During the 90 day period an NTL-2B application will be submitted for the District Manager's approval of a permanent disposal method and site.

## 8. ANCILLARY FACILITIES

There will be no formal camp, though three camper trailers may be on site for the company man, mud logger, and tool pusher.

## 9. WELL SITE LAYOUT

See PAGES 18-20 for depictions of the well pad, cross sections, cut and

TEB, Inc.  
Cyclone Flat #1  
660' FSL & 1980' FWL  
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fill diagrams, reserve pit, burn pit, access road onto the pad, parking, living facilities, soil stockpile, and rig orientation.

The top 8" of soil will be removed from the location and stockpiled southeast of the pad.

#### 10. RECLAMATION

Immediately upon completion of drilling, all trash and debris will be collected from the pad and surrounding area and placed in the burn pit.

TEB's dirt contractor will call the Resource Area 48 hours before starting reclamation that involves earth moving equipment, and upon completion of reclamation. The reserve pit must be completely dry before it is backfilled.

All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts. It also includes backfilling the pond built in Comb Wash.

The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12" deep with the contour.

Seed will be broadcast between October 1 and February 28 with the following mixture. A harrow or similar implement will be dragged over the area to assure seed cover.

<u>Species</u>	<u>Rate (pounds/acre)</u>
Crested wheatgrass ( <i>Agropyron desertorum</i> )	10

After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed area. The new access will be blocked to prevent vehicle

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access.

The reserve pit and that part of the pad not needed for production will be reclaimed as previously described. Enough topsoil will be kept to reclaim the remainder of the pad at a future date. The remaining topsoil stockpile will be seeded in place using the prescribed seed mix.

11. SURFACE OWNER

The surface owner of the pad and access road is the U.S. Government.

12. OTHER INFORMATION

The dirt contractor will be provided with an approved copy of the surface use plan.

There will be no change from the proposed drilling and/or workover plan without prior approval from the District Manager. A Sundry Notice will be filed for approval for all changes of plans and other operations *per* 43 CFR 3164.

Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified *per* 43 CFR 3162.2.

If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the Resource Area will be called. All people who are in the area will be informed by TEB that they are subject to prosecution for disturbing archaeological sites or picking up artifacts, including arrowheads.



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Sec. 30, T. 37 S., R. 19 E.  
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This permit will be valid for one year from the date of approval. After it expires, a new application will be filed for approval of any future operations.

The District Office's mailing address is P.O. Box 970, Moab, Utah 84532. The phone number is (801) 259-6111. Ask for Steve Jones.

The Resource Area's mailing address is P.O. Box 7, Monticello, Utah 84535. The phone number is (801) 587-2141. Ask for Rich McClure for surface problems. Ask for Mike Wade for subsurface problems.

The nearest hospital is a 75 minute drive to Monticello, Utah. It is 3 blocks northwest of the intersection of US 666 and US 191. Phone number is (801) 587-2116. The nearest medically equipped helicopter is in Grand Junction, Colorado, at St. Mary's Hospital. Call (303) 244-2550.

### 13. REPRESENTATION AND CERTIFICATION

Anyone having questions concerning the APD should contact:

Brian Wood  
Permits West, Inc.  
37 Verano Loop  
Santa Fe, NM 87505  
(505) 984-8120

The field representative for TEB, Inc. will be:

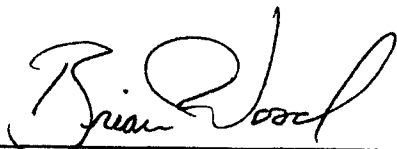
Tom Bird  
TEB, Inc.  
Rt. 1, Box 82  
Toronto, Ks. 66777  
(316) 637-2340

TEB, Inc.  
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CERTIFICATION

I hereby certify that I have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by TEB, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.



Brian Wood

10-24-87

Date

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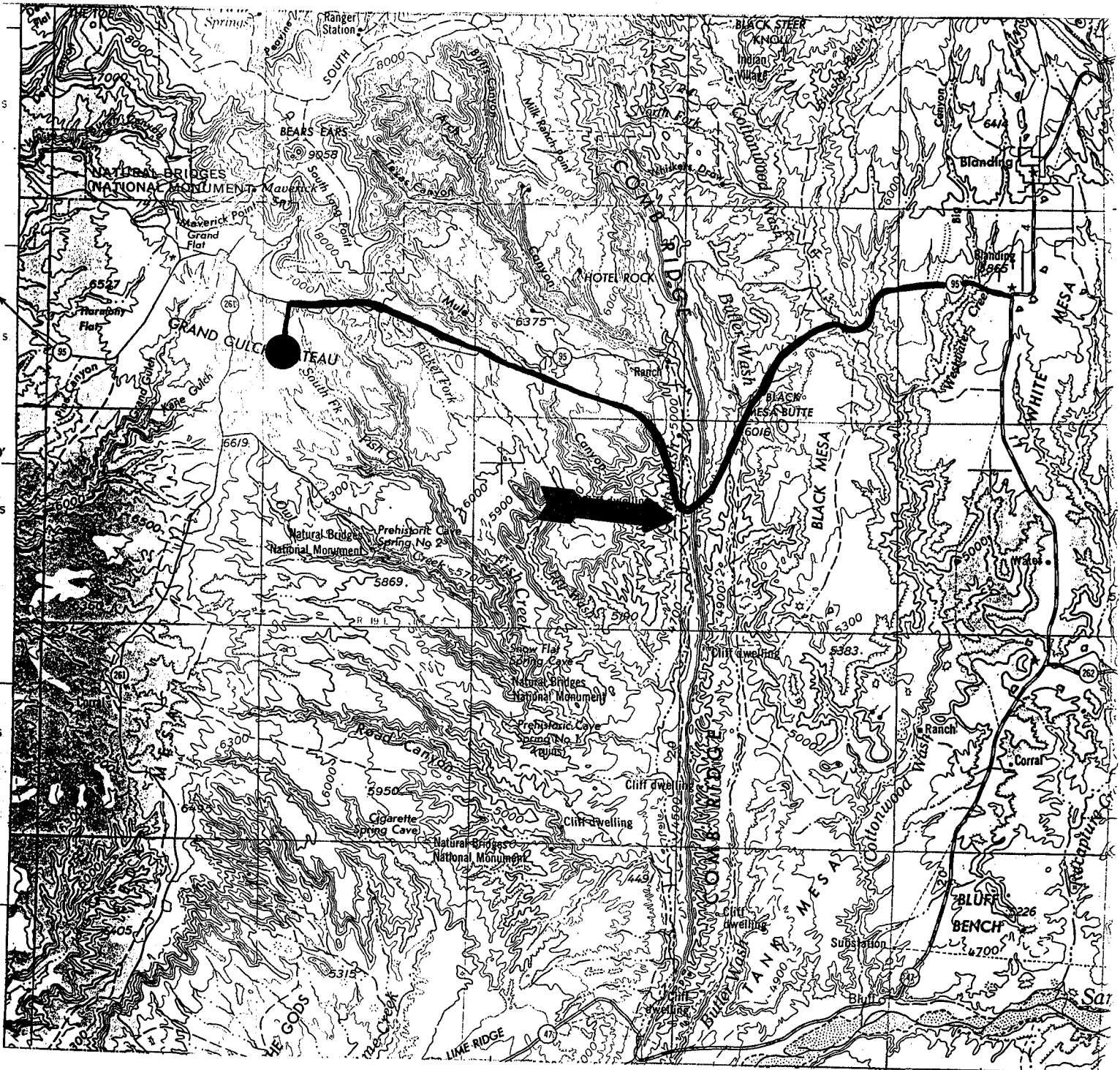
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Cyclone Flat #1 Well: ●

Access: —

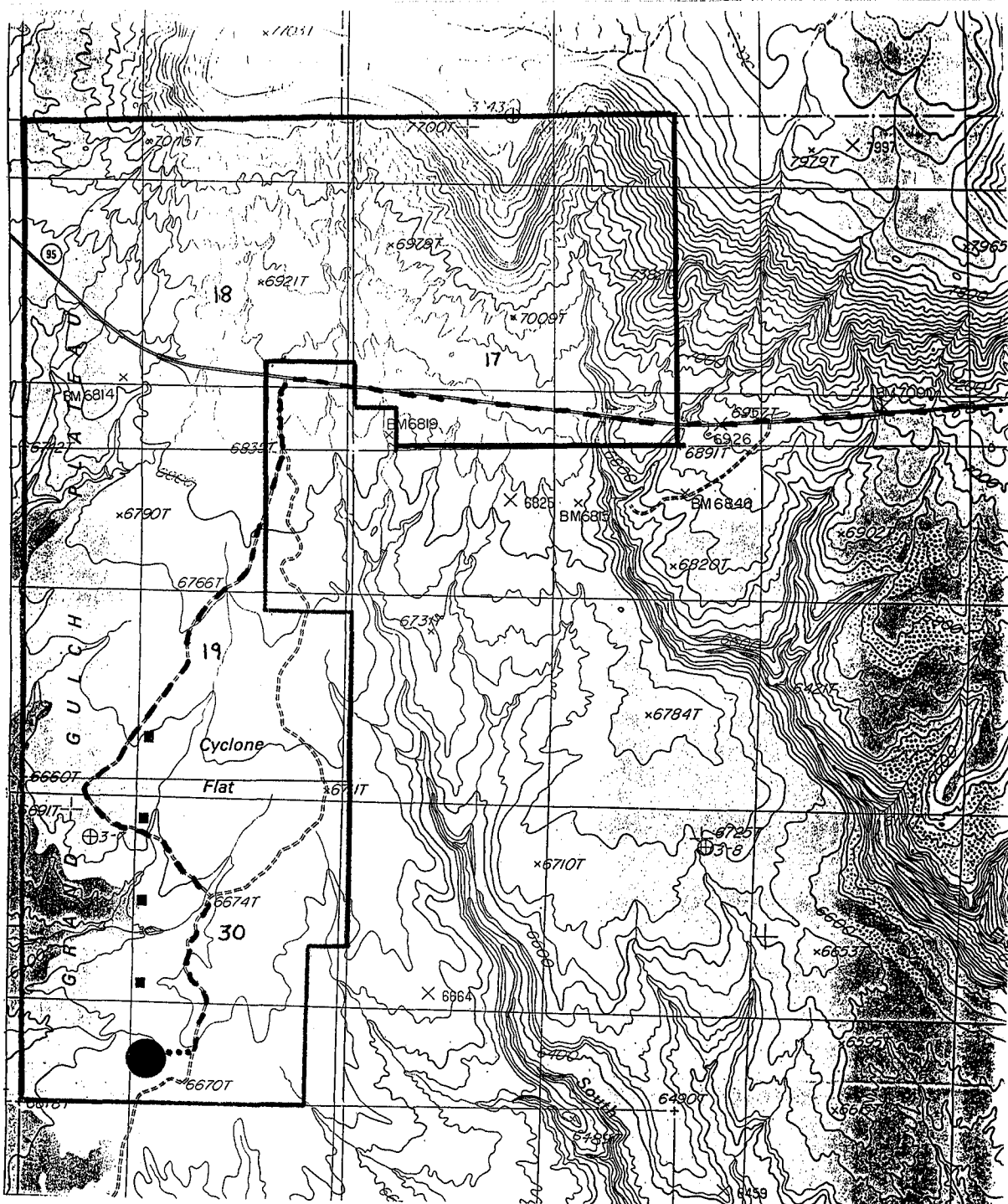
Water Source: [shaded area]

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Cyclone Flat #1 Well: ●

Lease: ▮

Existing Access: - - -

New Access: ...

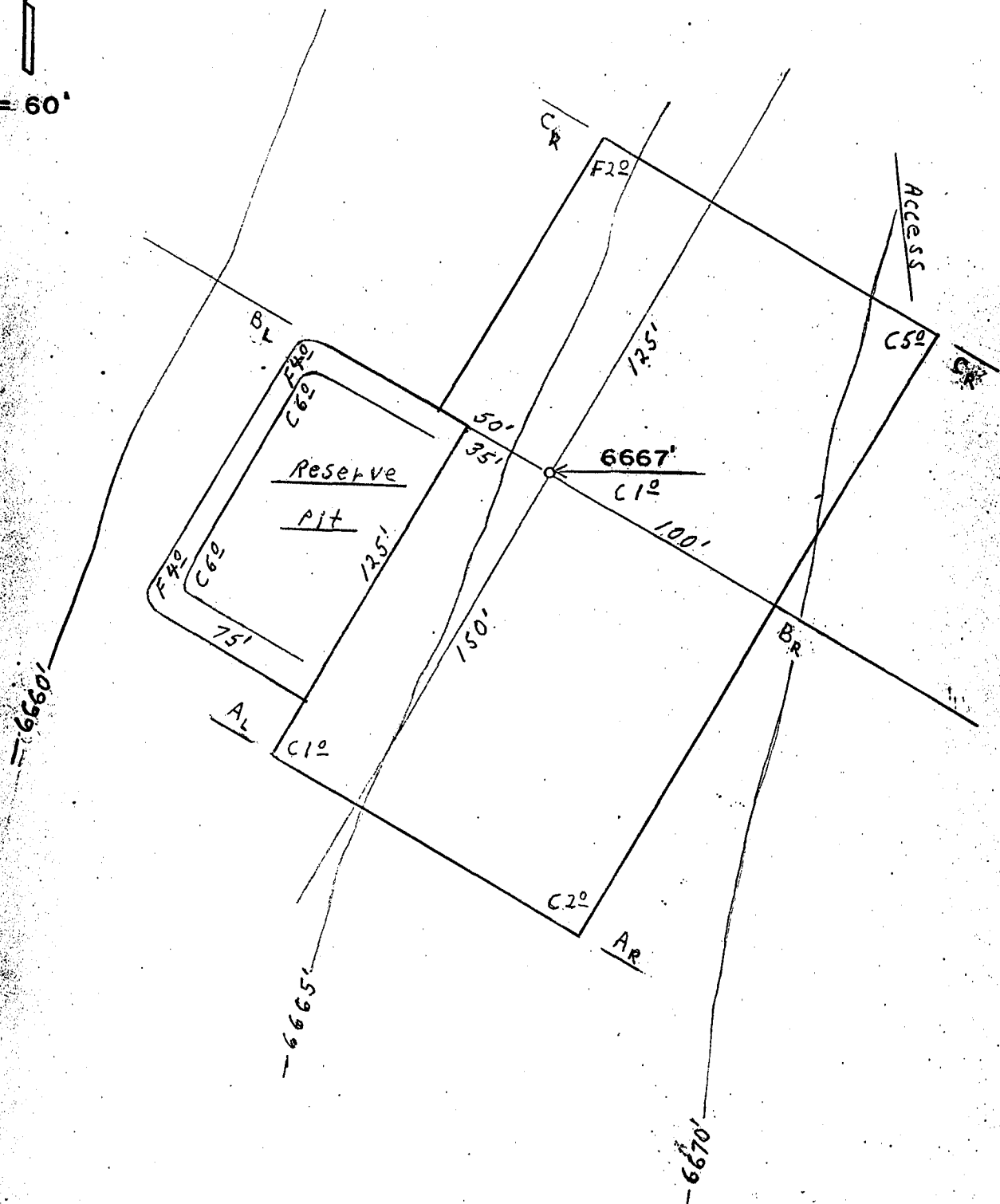
**PERMITS WEST, INC.**  
 PROVIDING PERMITS for the ENERGY INDUSTRY


WELL PAD PLAN VIEW

Well Cyclone Flat #1

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OIL, GAS & MINING

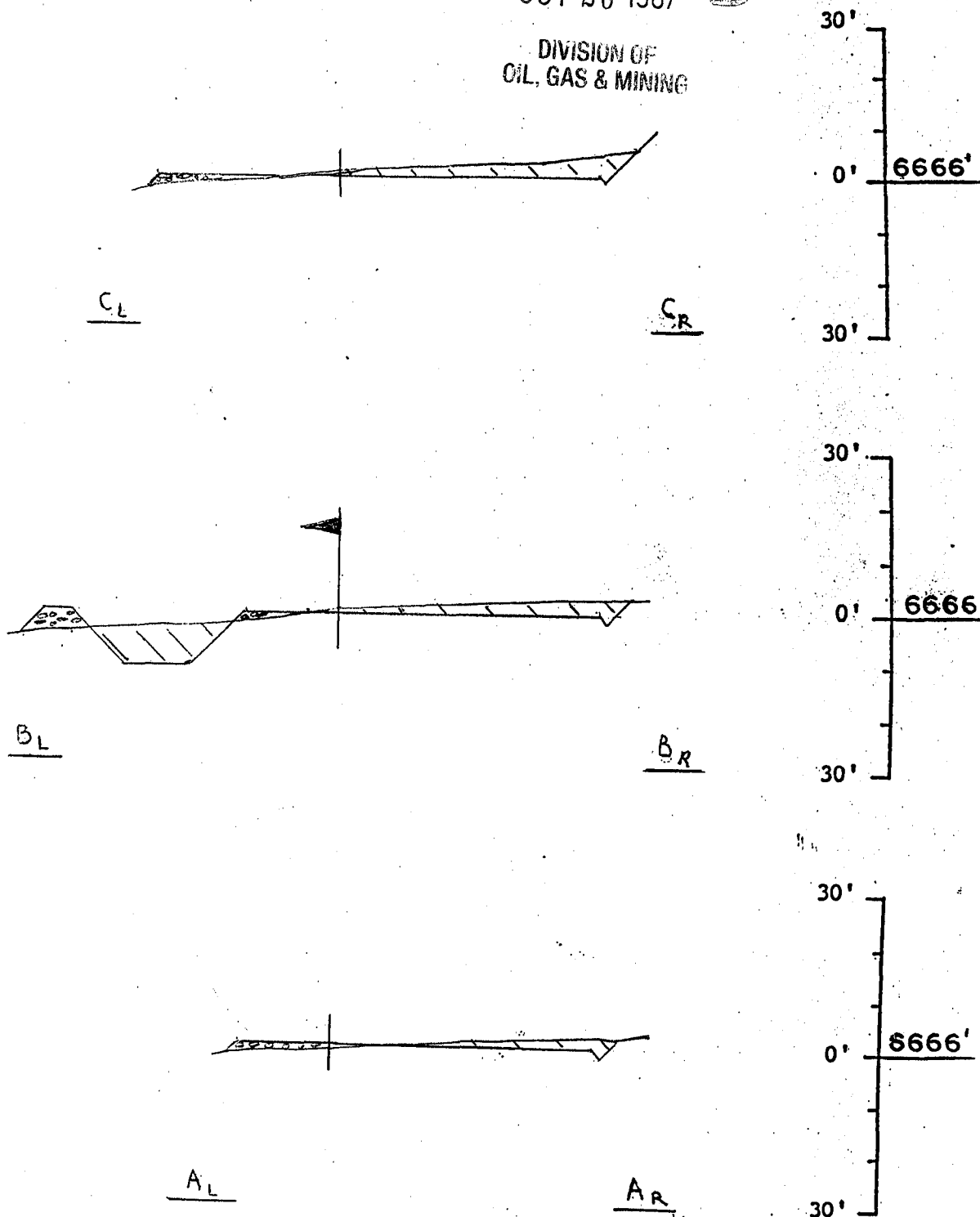


Cut /////  
Fill 

Scales: 1" = 60' H.  
1" = 30' V.

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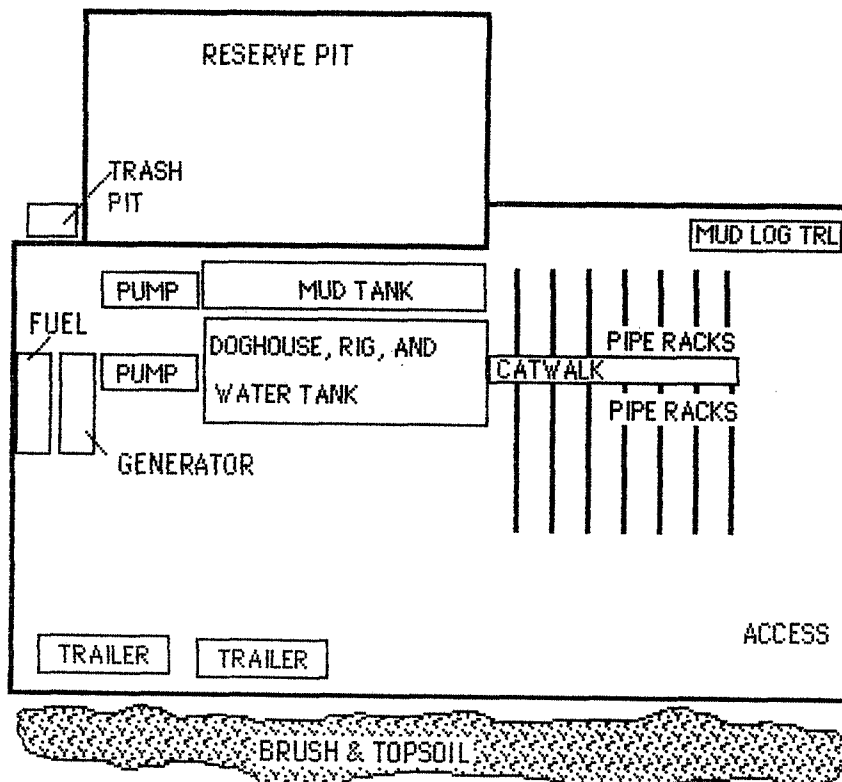
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NORTH

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☒

2. NAME OF OPERATOR

TEB, Inc.

(316) 637-2340

3. ADDRESS OF OPERATOR

Route 1, Box 82, Toronto, Kansas 66777

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At surface

660' FSL & 1980' FWL (SESW)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

21 air miles WSW of Blanding, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

2,353

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1,320'

19. PROPOSED DEPTH

2,700'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6,667' ungraded ground

22. APPROX. DATE WORK WILL START\*

Nov. 10, 1987

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24* (J-55 ST&C)	1,100'	825 SK
7-7/8"	5-1/2"	14* (J-55 ST&C)	2,700'	625 SK

RECEIVED  
OCT 26 1987

DIVISION OF  
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

Consultant

DATE

10-24-87

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

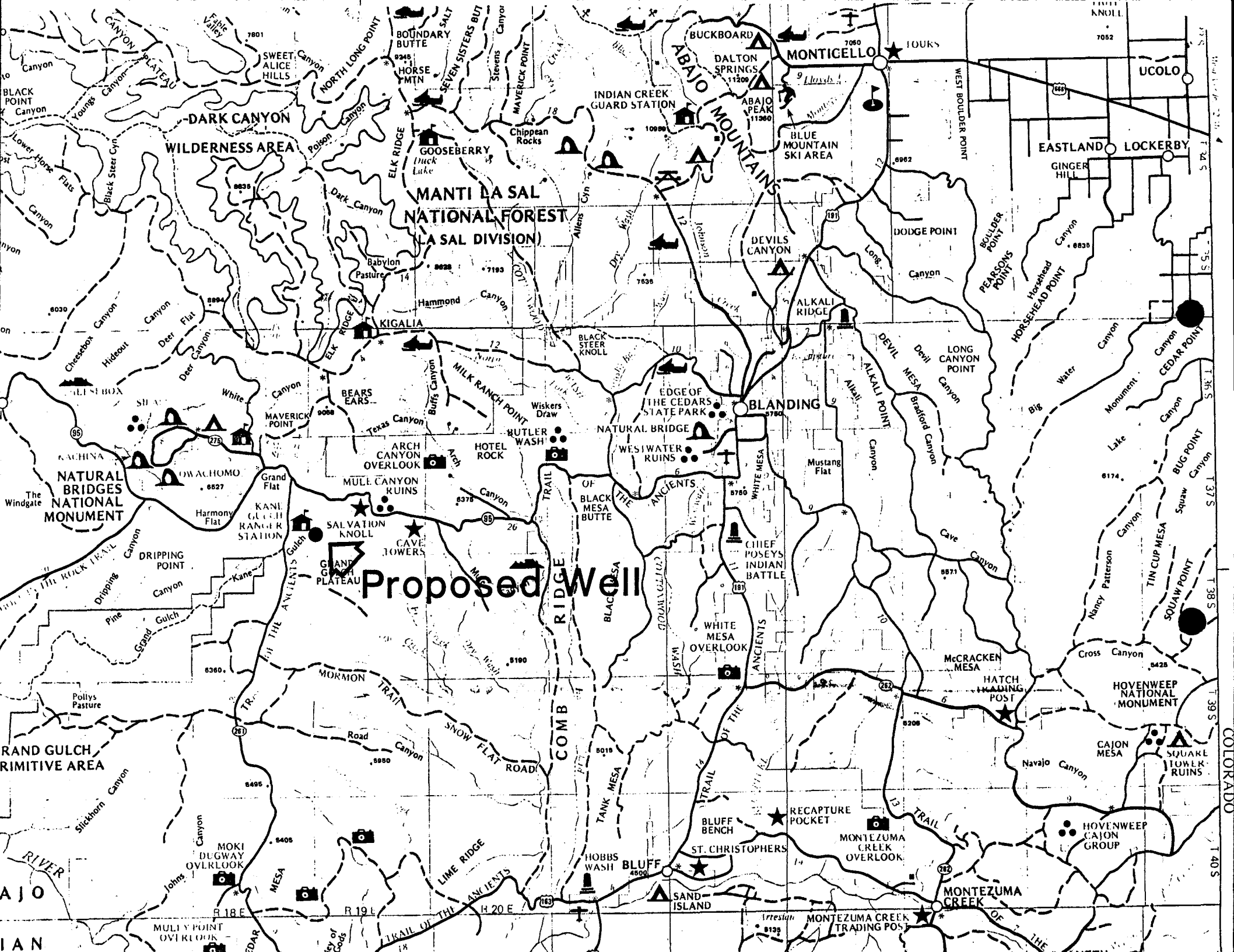
CONDITIONS OF APPROVAL, IF ANY:

cc: Bird (3), MDO (3), SJRA (1), UDOGM (2)

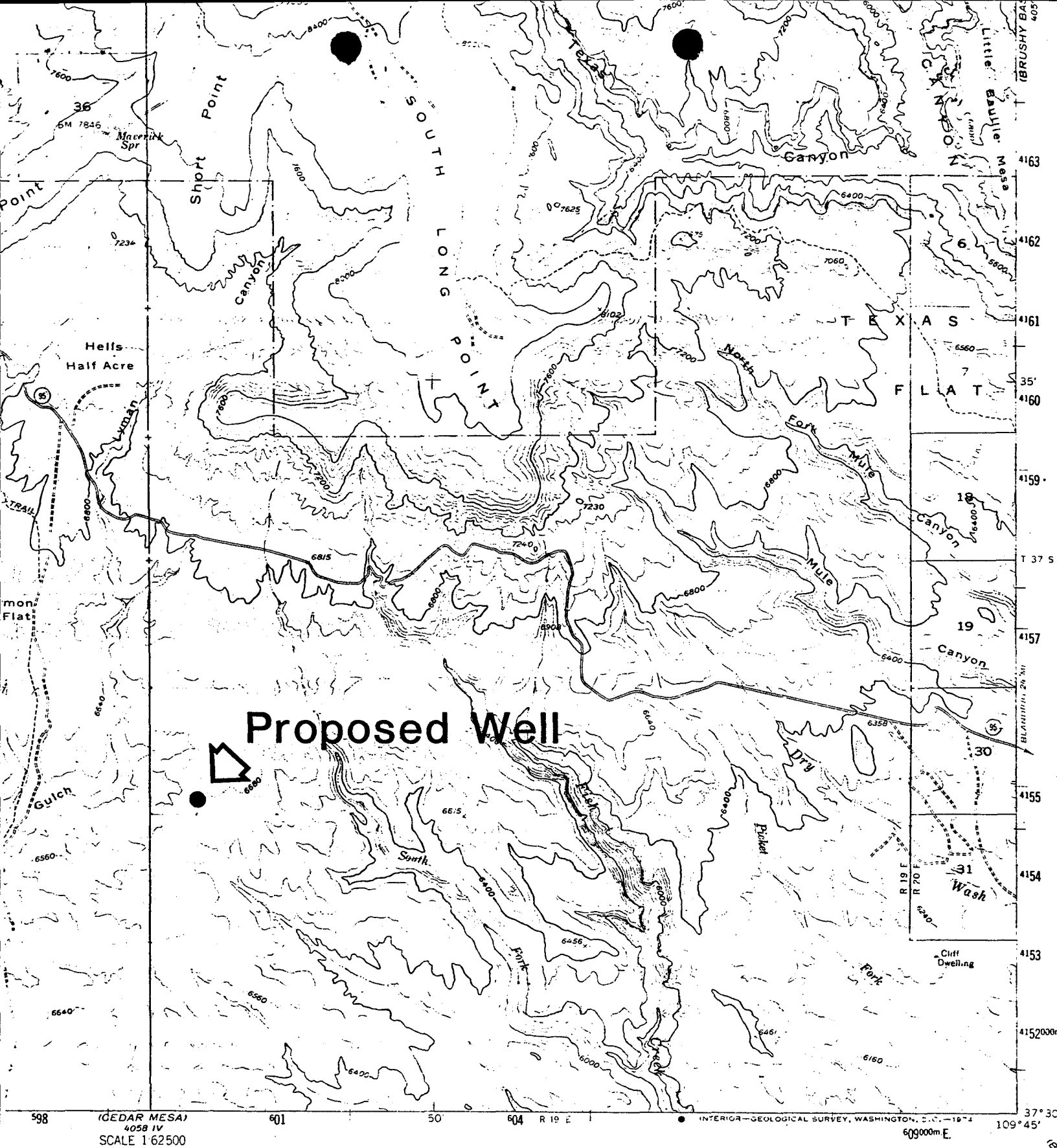
\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.





Proposed Well



# Proposed Well

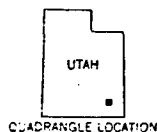
SCALE 1:62,500

0 2,000 4,000 6,000 8,000 10,000 FEET

0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 80 FEET  
DASHED LINES REPRESENT 40 FOOT CONTOURS  
TATUM IS MEAN SEA LEVEL

FOR COMPLETION OF NATIONAL MAPS OF 1:50,000 SCALE  
 SURVEY. DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20542  
 BING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION

Light-duty

Unimproved dirt

State Route

BEARS EARS. UTAH  
N3730—W10945 15

1954

AMS 4059 III-SERIES V797

File

STATE ACTIONS

Mail to:  
Grants Coordinator  
State Clearinghouse  
116 State Capitol, SLC, UT. 84114  
533-4971

- 
1. ADMINISTERING STATE AGENCY  
OIL, GAS AND MINING  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:  
(assigned by State Clearinghouse)
- 
3. APPROXIMATE DATE PROJECT WILL START:  
November 10, 1987
- 
4. AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:  
(to be sent out by agency in block 1)
- Southeastern Utah Association of Local Governments
- 
5. TYPE OF ACTION: ☐ / ☐ Lease ☒ / ☒ Permit ☐ / ☐ License ☐ / ☐ Land Aquisition  
☐ / ☐ Land Sale ☐ / ☐ Land Exchange ☐ / ☐ Other \_\_\_\_\_
- 
6. TITLE OF PROPOSED ACTION:  
Application for Permit to Drill
- 
7. DESCRIPTION:  
TEB, Inc. proposes to drill a wildcat well on federal lease number U-62178 in San Juan County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S. Bureau of Land Management is the primary administrative agency in this case and must issue approval to drill jointly with DOGM before operations can commence.
- 
8. LAND AFFECTED (site location map required) (indicate county)  
SE/4, SW/4, Section 30, Township 37 South, Range 19 East, San Juan County, Utah
- 
9. HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?  
Unknown
- 
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:  
No significant impacts are likely to occur
- 
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:  
Chip Hutchinson, Moab, 259-8151
- 
12. FOR FURTHER INFORMATION, CONTACT: 13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL
- John Baza  
PHONE: 538-5340
- John R. Baza*  
DATE: 10-27-87 Petroleum Engineer
-

CONFIDENTIAL

111636

OPERATOR TEB Inc 012203 DATE 10-28-87

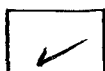
WELL NAME Cyclone Flat #1

SEC SESW 30 T 37S R 19E COUNTY San Juan

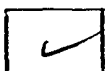
43-037- 31362  
API NUMBER

Lease  
TYPE OF LEASE

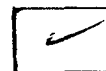
CHECK OFF:



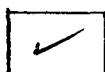
PLAT



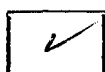
BOND



NEAREST  
WELL



LEASE



FIELD



POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

No other well in 37S 19E.  
Need water permit - Rec. 11/5/87 (09-1542 T 62944)

APPROVAL LETTER:

SPACING:



R615-2-3

UNIT



R615-3-2



CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

Water



NORMAN H. BANGERTER  
GOVERNOR



STATE OF UTAH  
DEPARTMENT OF COMMUNITY AND  
ECONOMIC DEVELOPMENT

Division of  
State History  
(UTAH STATE HISTORICAL SOCIETY)

MAX J. EVANS, DIRECTOR  
300 RIO GRANDE  
SALT LAKE CITY, UTAH 84101-1182  
TELEPHONE 801/533-5755

3 November 1987

Chairperson  
Resource Development  
Coordinating Committee  
State Planning Office  
118 State Capitol  
Salt Lake City, Utah 84114

RE: TEB, Inc. Wildcat Well, Federal Lease U-62178, #UT871021-010

In Reply Please Refer to Case No. K562

Dear Chairperson:

The staff of the Utah State Historic Preservation Office has reviewed the above referenced state action. A review of our records indicates that we know of one archeological site, 42Sa8856, which is located very close to the proposed well site. Perhaps it should be assumed that the proposed well is essentially on the same location as site 42Sa8856. We have enclosed a copy of the site form for that site which was recorded in 1980 and at that time given a finding of "significant", i.e., potential eligibility for the National Register of Historic Places.

As this is a federal lease, and the BLM is involved, they will likely require the applicant to survey for pre-historic and historic resources, in particular, relocating site 42Sa8856. Our records further indicate that only one survey for cultural resources has been conducted in the area. It was a narrow, linear survey and proceeded southsouthwest from site 42Sa8856. This survey did not cover other areas surrounding or adjacent to the proposed well site. Again, this reinforces the need for additional cultural resource surveys in the area.

We also wonder if, in addition to the proposed well site, there will be additional ground disturbing activities through the upgrading or creating of access roads and other work sites. We look forward to providing additional assistance and consultation on this project and reviewing the results of any cultural resource surveys performed.

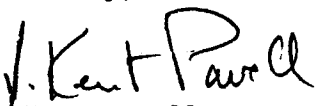
RECEIVED

NOV 4 1987

DIVISION OF OIL

The above is provided on request as outlined by 36 CFR 800 or Utah Code, Title 63-18-37. If you have questions or need additional assistance, please contact Charles Shepherd at (801) 533-7039.

Sincerely,

  
A. Kent Powell  
Deputy State Historic  
Preservation Officer

CMS:jrc:K562/4807V SCR/

cc: John Baza, Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad  
Center, Suite 350, Salt Lake City, Utah 84180-1203

Bruce Louthan, Moab District Office, Bureau of Land Management, 125 West  
Second South Main, P. O. Box 970, Moab, Utah 84532

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
UTAH STATE OFFICE

ACQUISITIES SITE INVENTORY

Temp. No. ER-1-1

1 AGENCY NO. Woodward  
2 STATE NO. 4 2 1 S A 8 8 5 6 10  
3 PROJECT NAME Clyde 4 BLM REPORT ID# 11 14 20  
5 PREHISTORIC ☒ 8 RECORDED BY James M. Copeland P 4  
6 HISTORIC 9 INSTITUTION Centuries Research, Inc. 8  
7 PALEONTOLOGICAL 10 DATE April 13, 1980

11 BLM DISTRICT NO. [6] 12 BLM RESOURCE AREA [S J]

Salt Lake = 2 Cedar City = 4 Vernal = 8  
Richfield = 5 Moab = 6

13 COUNTY San Juan

BO = Bonneville, WA = Wasatch, HR = House Range, WS = Warm Springs,  
SE = Sevier River, HM = Henry Mtns., BR = Beaver River, DX = Dixie,  
KA = Kanab, ES = Escalante, SJ = San Juan, GR = Grand, PR = Price River,  
SR = San Rafael, DM = Diamond Mountain, BC = Book Cliffs.

14 UTM GRID: ZONE [1 2] Easting [6 0 0 1 0 0] Northing [4 1 5 4 4 0 0]  
24 25 26 31 32 38

15 LEGAL DESCRIPTION: T. [3 7 S] R. [1 9 E] Sec. [3 1] (10 acre) (40 acre) (160 acre)  
Fill in spaces 43 or 46 only if: 39 42 43 46 47 48 Qu-Sec. [N E] Qu-Sec. [N E] Qu Sec. [N W]  
42 Y = Vernal Meridian 46 H = Half Township 49 50 51 52 53 54

16 MAP NAME AND SCALE: Bears Ears/1954/15'

17 SURFACE OWNER: [L M] LM = BLM ST = State PR = Private  
55 56 FS = USFS PS = NPS OT = Other

OTHER:

18 NATIONAL REGISTER POTENTIAL: [S] S=Significant, N=Nonsignificant Why:

May be eligible. CRES-S2

MANAGEMENT VALUES: Interpretational Potential Scientific X

20 SITE CONDITION Existing trail on site, some vandalism in Feature 1. % DESTROYED [1 0]  
58 59 60

21 AGENT CAUSING IMPACT [E R] [V A] [O T]  
ER = Erosion 61 62 63 64 65 66  
VA = Vandalization  
PR = Project  
OT = Other  
NO = No Impact  
Existing road and cattle.

22 PHOTO TAKEN: Color #  
[Y] Y=Yes B/W # WC-R80-1/S 18, 19  
67 N=No

23 RECOMMENDED PROTECTION Avoid.

24 SITE TYPE - CULTURAL [S I] [ ] [ ] RA=Rock Art, LA=Limited Activity, ST=Structural  
68 69 70 71 72 73 RS=Rock Shelter, OT=Other

25 PALEONTOLOGICAL: Invertebrate Vertebrate Flora

26 CULTURAL FEATURES [L S] [C S] [B S] [S C] [ ] [ ] [ ]  
74 75 76 77 78 79 80 81 82 83 84 85 86 87

LS = Lithic Scatter SH = Shelter PI = Pictograph  
CS = Ceramic Scatter RA = Rock Alignment PE = Petroglyph  
GS = Ground Stone Scatter RM = Rubble Mound BU = Burial  
HE = Hearth SC = Slab-lined cists HS = Historical Structure  
QU = Quarry MG = Masonry Granary MM = Mines  
BS = Burned Stone MR = Masonry Rooms/Wall CO = Corral  
MD = Midden TR = Trail  
DE = Depression WC = Water Control GL = Glass  
OT = Other M7 = More than 7 of the above.

OT = Other

Description:

Linear site occupying ridge top. Artifacts are generally sparse.

3 features present. Feature 1 is a 2 m dia. outline of upright sandstone

slabs, slightly potted: Feature 2 is a 4 m dia. concentration of burned (Cont'd.)

27 SITE DIMENSIONS: L. 120 NW-SE Ft. w 30 NE-SW Ft. Depth ? M Ft

28 DEPTH OF FILL [U] Y=Yes N=No U=Undetermined

UT 8100-1 (4/79)

Attach. 3

## 29 CULTURAL PERIOD/AFFILIATION

P U

89 90

91 92

93 94

95 96

PA = Paleo. Indian

AR = Archaic

FR = Fremont

BM = Basketmaker

OT = Other

PU = Pueblo/Anasazi

EA = Euro-American

UP = Ute-Piute

NA = Navaho

UN = Unknown

OT=Other Possibly BM

30 SUB PERIOD = B M 3 - P 1

97

113

31 ARTIFACTS OBSERVED: Lithic ☒ Ceramic ☒ Bone ☐ Metal ☐ Charcoal ☐ Glass ☐

DESCRIPTION Unidentified plain gray sherds; chert, chalcedony, and quartzite lithics.

32 SURFACE COLLECTED N Y=Yes, N=No,

114

33 DESCRIPTION OF ARTIFACTS COLLECTED: N/A

34 CURATORIAL DISPOSITION N/A

35 AVERAGE ARTIFACT DENSITY: 0-15 Per m<sup>2</sup>

## 36 ENVIRONMENTAL - TOPOGRAPHIC SITUATION

Level Terrain ☐Cave ☐Mesa Top ☒Talus ☐Broken Terrain ☐Slope ☐Cliff Edge ☐Other: ☐Canyon Bottom ☐Ridge ☒Overhang ☐Bench/Terrace ☐Ledge ☐Rim ☐37 DIRECTION SITE FACES: N & S Flat ☐ 38 GROUND SLOPE 1°/S

39 ELEVATION OF SITE: 6 6 6 0 1 2029m 40 ORIGIN OF SOILS: Aeolian

115

119

41 WATER RESOURCES: Stream ☒ Spring ☐ Seep ☐ Other ☐ None ☐ Perm. ☐ Inter. ☒

42 NAME OF WATER SOURCE No name/900m/SE

43 VEGETATION ON SITE: P &amp; J, S A G E g r a s s

120

132

44 VEGETATION SURROUNDING SITE: Generally same.

45 DESCRIPTION/REMARKS: #26 Cont'd. stone and artifacts. Feature 3 is problematical. It may be a structural feature as indicated by a few sandstone blocks and slabs (only one definitely shaped). A low depression just south of the stones may represent a pit house; however, it has been used as a cow wallow and may be only that. Artifacts between the features are sparse.

(Attach sketch map, photos, and xerox of topographic map with T., R., Scale, Quad. name, marked project &amp; survey areas.)





42SA8856. View of Feature 1 looking NE. Photo No. WC-R80-1/S18.



42SA8856. View of Feature 3 looking N. Possible structure area in center. Photo No. WC-R80-1/S19.

42SA-856  
San Juan Co., Utah

15m  
(50ft)

T.N.

Chained P/T

Standing  
TREES

Location  
Stake-ER-1

65m  
210°

Sparse  
Shrubs

Sparse  
Shrubs

Sage

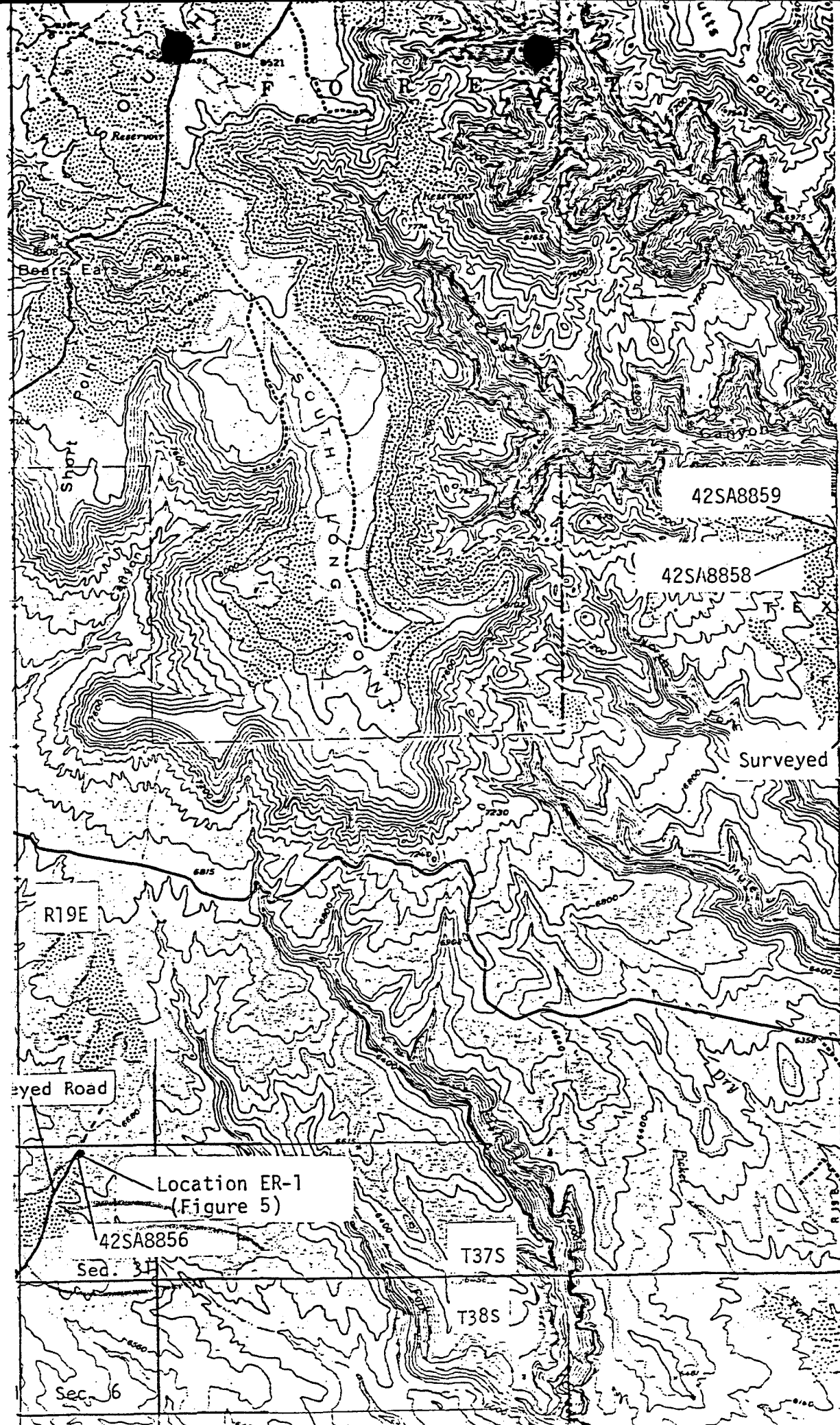
Sage

P/T

# LEGEND

- - Site Area
- F1 - Upright Slabs
- F2 - Artifact Concentration
- F3 - Possible Structure Area
- xx - Tree Line
- ~ - Potential Access Route (Blue + Red flagging)
- - Photo Position
- ★ - Flagging (orange + white)

Map Prepared by  
James M. Copeland





116 State Capitol Building  
Salt Lake City, UT 84114  
Telephone 801-533-5245

## office of planning and budget

Norman H. Bangerter, Governor Dale C. Hatch, C.P.A., J.D., Director Michael E. Christensen, Ph.D., Deputy Director

RECEIVED  
NOV 06 1987

November 3, 1987

DIVISION OF  
OIL, GAS & MINING

John Baza  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, Utah 84180-1203

*Cyclone Flat #1*

SUBJECT: TEB, Inc., Application for Permit to Drill a Wildcat Well on State  
Lease #U-62178, San Juan County  
State Application Identifier #UT871029-010

Dear John:

The Resource Development Coordinating Committee of the State of Utah has reviewed this proposed action and the Division of State History comments:

A review of our records indicates that we know of one archeological site, 42Sa8856, which is located very close to the proposed well site. Perhaps it should be assumed that the proposed well is essentially on the same location as site 42Sa8856. We have enclosed a copy of the site form for that site which was recorded in 1980 and at that time given a finding of "significant," i.e., potential eligibility for the National Register of Historic Places.

As this is a federal lease, and the BLM is involved, they will likely require the applicant to survey for pre-historic and historic resources, in particular, relocating site 42Sa8856. Our records further indicate that only one survey for cultural resources has been conducted in the area. It was a narrow, linear survey and proceeded southsouthwest from site 42Sa8856. This survey did not cover other areas surrounding or adjacent to the proposed well site. Again, this reinforces the need for additional cultural resource surveys in the area.

We also wonder if, in addition to the proposed well site, there will be additional ground disturbing activities through the upgrading or creating of access roads and other work sites. We look forward to providing additional assistance and consultation on this project and reviewing the results of any cultural resource surveys performed.

John Baza  
Division of Oil, Gas and Mining  
November 3, 1987  
Page Two

The above is provided on request as outlined by 36 CFR 800 or Utah Code, Title 63-18-37. If you have questions or need additional assistance, please contact Charles Shepherd at (801) 533-7039.

The Committee appreciates the opportunity of reviewing this document. Please address any other questions regarding this correspondence to Carolyn Wright (801) 538-1535.

Sincerely,

A handwritten signature in cursive script that reads "Dale C. Hatch". The signature is written in dark ink and is positioned above the printed name and title.

Dale C. Hatch  
Director

DCH/jw

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
UTAH STATE OFFICE

QUITIES SITE INVENTORY

Temp. No. ER-1-1

3 PROJECT NAME

Woodward

Clyde

STATE NO. 42 SA 88 56

4 BLM REPORT ID#

5 PREHISTORIC

X

8 RECORDED BY

James M. Copeland

6 HISTORIC

9 INSTITUTION

Centuries Research, Inc

7 PALEONTOLOGICAL

10 DATE

April 13, 1980

11 BLM DISTRICT NO. 6

12 BLM RESOURCE AREA S J

Salt Lake = 2  
Richfield = 5

Cedar City = 4  
Moab = 6

Vernal = 8

13 COUNTY

San Juan

80 = Bonneville, WA = Wasatch, HR = House Range, WS = Warm Springs,  
SE = Sevier River, HM = Henry Mtns., BR = Beaver River, DX = Dixie,  
KA = Kanab, ES = Escalante, SJ = San Juan, GR = Grand, PR = Price River,  
SR = San Rafael, DM = Diamond Mountain, BC = Book Cliffs.

14 UTM GRID: ZONE

12

Easting

6 0 0 1 0 0

Northing

4 1 5 4 4 0 0

15 LEGAL DESCRIPTION: T 37 S R 19 E Sec. 31

(10 acre)

(40 acre)

(160 acre)

Fill in spaces 43 or 46 only if: 39 42 43 46 47 48  
42 Y = Vernal Meridian 46 H = Half Township  
H = Half Township

Qu-Sec. N E

Qu-Sec. N E

Qu Sec. N W

16 MAP NAME AND SCALE:

Bears Ears/1954/15'

17 SURFACE OWNER: L M

55 56

LM = BLM  
FS = USFS

ST = State  
PS = NPS

PR = Private  
OT = Other

OTHER:

18 NATIONAL REGISTER POTENTIAL: S

S=Significant, N=Nonsignificant Why:

May be eligible. CRES-S2

MANAGEMENT VALUES: Interpretational Potential

Scientific X

20 SITE CONDITION

Existing trail on site, some vandalism in Feature 1. % DESTROYED

11 0

21 AGENT CAUSING IMPACT

E R, V A, O T

22 PHOTO TAKEN: Color #

B/W #

WC-R80-1/S 18, 19

ER = Erosion  
VA = Vandalization  
PR = Project  
OT = Other  
NO = No Impact

Existing road and cattle.

Y = Yes  
N = No

23 RECOMMENDED PROTECTION

Avoid.

24 SITE TYPE - CULTURAL

S T

RA=Rock Art, LA=Limited Activity, ST=Structural  
RS=Rock Shelter, OT=Other

25 PALEONTOLOGICAL: Invertebrate

Vertebrate

Flora

26 CULTURAL FEATURES

L S

C S

B S

S C

LS = Lithic Scatter  
CS = Ceramic Scatter  
GS = Ground Stone Scatter  
HE = Hearth  
QU = Quarry  
BS = Burned Stone  
MD = Midden  
DE = Depression  
OT = Other

SH = Shelter  
RA = Rock Alignment  
RM = Rubble Mound  
SC = Slab-lined cists  
MG = Masonry Granary  
MR = Masonry Rooms/Wall  
TW = Tower  
WC = Water Control  
M7 = More than 7 of the above.

PI = Pictograph  
PE = Petroglyph  
BU = Burial  
HS = Historical Structure  
MM = Mines  
CD = Corral  
TR = Trail  
GL = Glass

OT = Other

Description:

Linear site occupying ridge top. Artifacts are generally sparse.

3 features present. Feature 1 is a 2 m dia. outline of upright sandstone  
slabs, slightly potted. Feature 2 is a 4 m dia. concentration of burned (Cont'd.)

27 SITE DIMENSIONS: L. 120 NW-SE

(M)

Ft. w

30 NE-SW

(M)

Ft. Depth ?

M

Ft

28 DEPTH OF FILL U

Y=Yes N=No U=Undetermined

UT 8100-1 (4/79)

Attach. 3

P	U
89	90

91 92

93 94

95 96

PA = Paleo. Indian  
AR = Archaic  
FR = Fremont  
BM = Basketmaker  
OT = Other

PU = Pueblo/Anasazi  
 EA = Euro-American  
 UP = Ute-Piute  
 NA = Navaho  
 UN = Unknown

OT=Other      Possibly BM

30 SUB PERIOD = B M 3 - P 1

97113

31 ARTIFACTS OBSERVED: Lithic X Ceramic X Bone    Metal    Charcoal    Glass     
DESCRIPTION Unidentified plain gray sherds; chert, chalcedony, and quartzite lithics

32 SURFACE COLLECTED [N] Y=Yes, N=No,  
114

33 DESCRIPTION OF ARTIFACTS COLLECTED: N/A

34 CURATORIAL DISPOSITION N/A

35 AVERAGE ARTIFACT DENSITY: 0-15 Per m<sup>2</sup>

### 36 ENVIRONMENTAL - TOPOGRAPHIC SITUATION

Level Terrain \_\_\_\_\_  
Broken Terrain \_\_\_\_\_  
Canyon Bottom \_\_\_\_\_  
Bench/Terrace \_\_\_\_\_

Cave \_\_\_\_\_  
Slope \_\_\_\_\_  
Ridge X  
Ledge \_\_\_\_\_

Mesa Top	X
Cliff Edge	_____
Overhang	_____
Rim	_____

Talus \_\_\_\_\_  
Other: \_\_\_\_\_

37 DIRECTION SITE FACES: N & S Flat      38 GROUND SLOPE 1°/S

39 ELEVATION OF SITE: 16660 2029m 40 ORIGIN OF SOILS: Aeolian  
115 119

41 WATER RESOURCES: Stream X Spring    Seep    Other    None    Perm.    Inter. X

42 NAME OF WATER SOURCE No. name/900m/SE

43 VEGETATION ON SITE: P & J, S | A | G | E | g | r | a | s | s

44 VEGETATION SURROUNDING SITE: Generally same.

45 DESCRIPTION/REMARKS: #26 Cont'd. stone and artifacts. Feature 3 is problematical. It may be a structural feature as indicated by a few sandstone blocks and slabs (only one definitely shaped). A low depression just south of the stones may represent a pit house; however, it has been used as a cow wallow and may be only that. Artifacts between the features are sparse.

(Attach sketch map, photos, and xerox of topographic map with T., R., Scale, Quad. name, marked project & survey areas.)



42SA8856. View of Feature 1 looking NE. Photo No. WC-R80-1/S18.



42SA8856. View of Feature 3 looking N. Possible structure area in center. Photo No. WC-R80-1/S19.



42SA8856  
San Juan Co., Utah

15m  
(50ft)

T.U.

Chained P/J

Standing  
TREES

Location  
Stake-ER-1

65m  
210°

Sparse  
Sheds

Sparse  
Sheds

Sage

Sage

P/J

### LEGEND

○ - Site Area

F1 - Upright Slabs

F2 - Artifact Concentration

F3 - Possible Structure Area

x - Tree Line

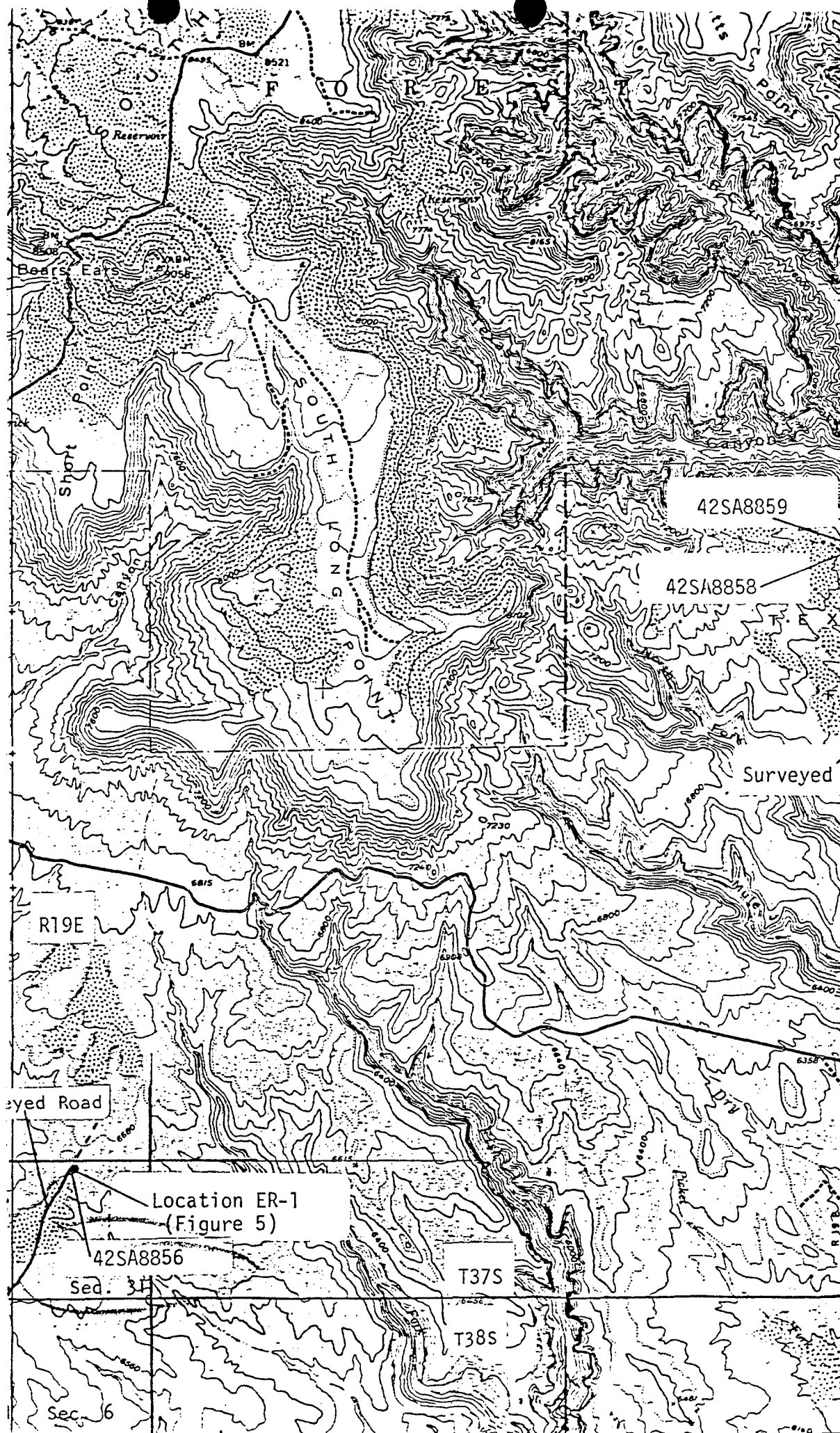
~ ~ - Potential Access

Route (Blue + Red Flagging)

■ - Photo Position

★ - Flagging (orange + white)

Map Prepared by  
James M. Copeland





STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 12, 1987

TEB, Incorporated  
Route 1, Box 82  
Toronto, Kansas 66777

Gentlemen:

Re: Cyclone Flat 1 - SE SW Sec. 30, T. 37S, R. 19E - San Juan County  
660' FSL, 1980' FWL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-2, Oil and Gas Conservation General Rules.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form to the Division within five working days of the time that the well is spudded or a change in operations or interests necessitates a change in entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2  
TEB, Incorporated  
Cyclone Flat 1  
November 12, 1987

6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31362.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals  
D. R. Nielson  
8159T

112418

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☒

2. NAME OF OPERATOR

TEB, Inc.

DIVISION OF  
OIL, GAS & MINING

(316) 637-2340

3. ADDRESS OF OPERATOR

Route 1, Box 82, Toronto, Kansas 66777

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

660' FSL & 1980' FWL (SESW)

At proposed prod. zone

Same

43-037-31362

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

21 air miles WSW of Blanding, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

2,353

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1,320'

19. PROPOSED DEPTH

2,700'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6,667' ungraded ground

22. APPROX. DATE WORK WILL START\*

Nov. 10, 1987

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24* (J-55 ST&C)	1,100'	825 SK
7-7/8"	5-1/2"	14* (J-55 ST&C)	2,700'	625 SK

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*[Signature]*

TITLE

Consultant

DATE

10-24-87

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY /s/ Kenneth V. Rhea

TITLE

Acting DISTRICT MANAGER

DATE

NOV 13 1987

CONDITIONS OF APPROVAL, IF ANY:

SUBJECT TO RIGHT OF WAY  
APPROVAL

FLARING OR VENTING OF  
GAS IS SUBJECT OF NTL 4-A  
DATED 1/1/80

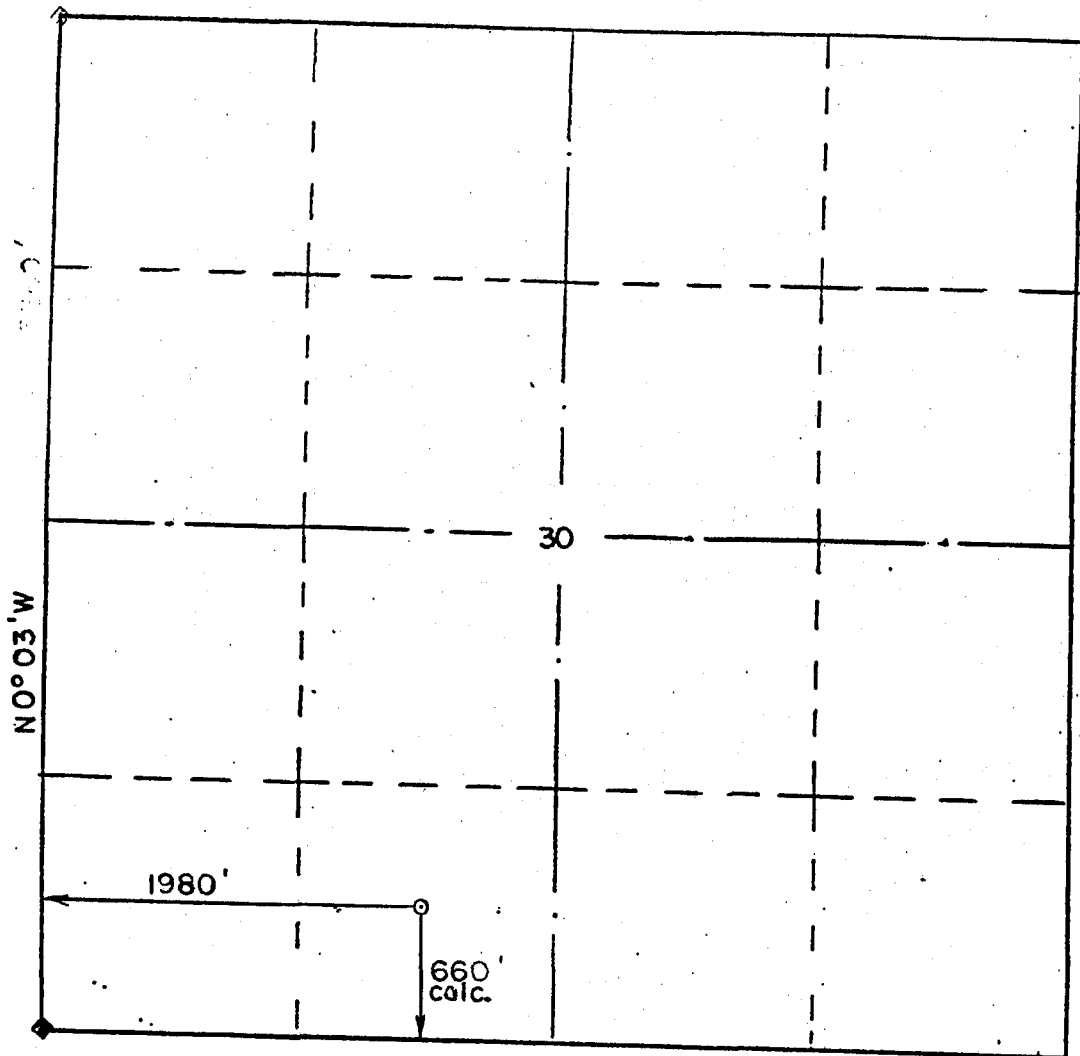
cc: Bird (3), MDO (3), SJRA (1), UDOGM (2)

\*See Instructions On Reverse CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

State of Utah - DOGM

WELL LOCATION AND ACREAGE DEDICATION PLAT



WELL LOCATION DESCRIPTION:

TEB, Inc. Cyclone Flat #1  
 660' FSL & 1980' FWL  
 Section 30, T.37 S., R.19 E., SLM  
 San Juan County, Utah  
 6667' ground elevation

The above plat is true and correct to my knowledge and belief.

22 October 1987

REGISTERED LAND SURVEYOR  
 No. 5705  
 GERALD G. HUDDLESTON  
 Gerald G. Huddleston, LS  
 STATE OF UTAH

TEB, Inc.  
Well No. Cyclone Flat 1  
Sec. 30, T. 37 S., R. 19 E.  
San Juan County, Utah  
Lease U-62178

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

B. THIRTEEN POINT SURFACE USE PLAN

1. To reduce conflicts with recreational users, drilling will only be allowed from November 1 through February 28 and June 16 through September 14. This stipulation does not affect production activities.
2. Prior to setting production facilities or beginning reclamation, an onsite will be held between the operator, contractors and BLM.
3. All production equipment will be muffled.
4. All fluids will be removed from reserve pits after wells are completed or plugged to allow total completion of reclamation by February 28.
5. The natural contours of Comb Wash will be restored when water hauling is completed.



NOTIFICATIONS

Notify the San Juan Resource Area, at (801) 587-2141 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

1 day prior to running and cementing surface casing;

1 day prior to pressure testing of BOPE and/or surface casing.

Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed:

Steven Jones, Petroleum Engineer

Office Phone: (801) 259-6111

Home Phone: (801) 259-7404

Lynn Jackson, Chief, Branch of Fluid Minerals

Office Phone: (801) 259-6111

Home Phone: (801) 259-7990

Paul Brown, I&E Coordinator

Office Phone: (801) 259-6111

Home Phone: (801) 259-7018

24 hours advance notice is required for all abandonments.

File

# SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

HAROLD  
Chairman  
WILLIAM HOWELL  
Executive Director

P.O. Drawer A1

Price, Utah 84501 • Telephone 637-5444

RECEIVED

DEC 4 1987

DIVISION OF  
OIL, GAS & MINING

AREAWIDE CLEARINGHOUSE A-95 REVIEW

120910

NOI \_\_\_ Preapp \_\_\_ App \_\_\_ State Plan \_\_\_ State Action X Subdivision \_\_\_ (ASP # 11-1028-7)

Other (indicate) \_\_\_\_\_ SAI Number UT871028-010

Applicant (Address, Phone Number):

Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Federal Funds:  
Requested: \_\_\_\_\_

*Ort.*  
*43-037-31362*

Title:

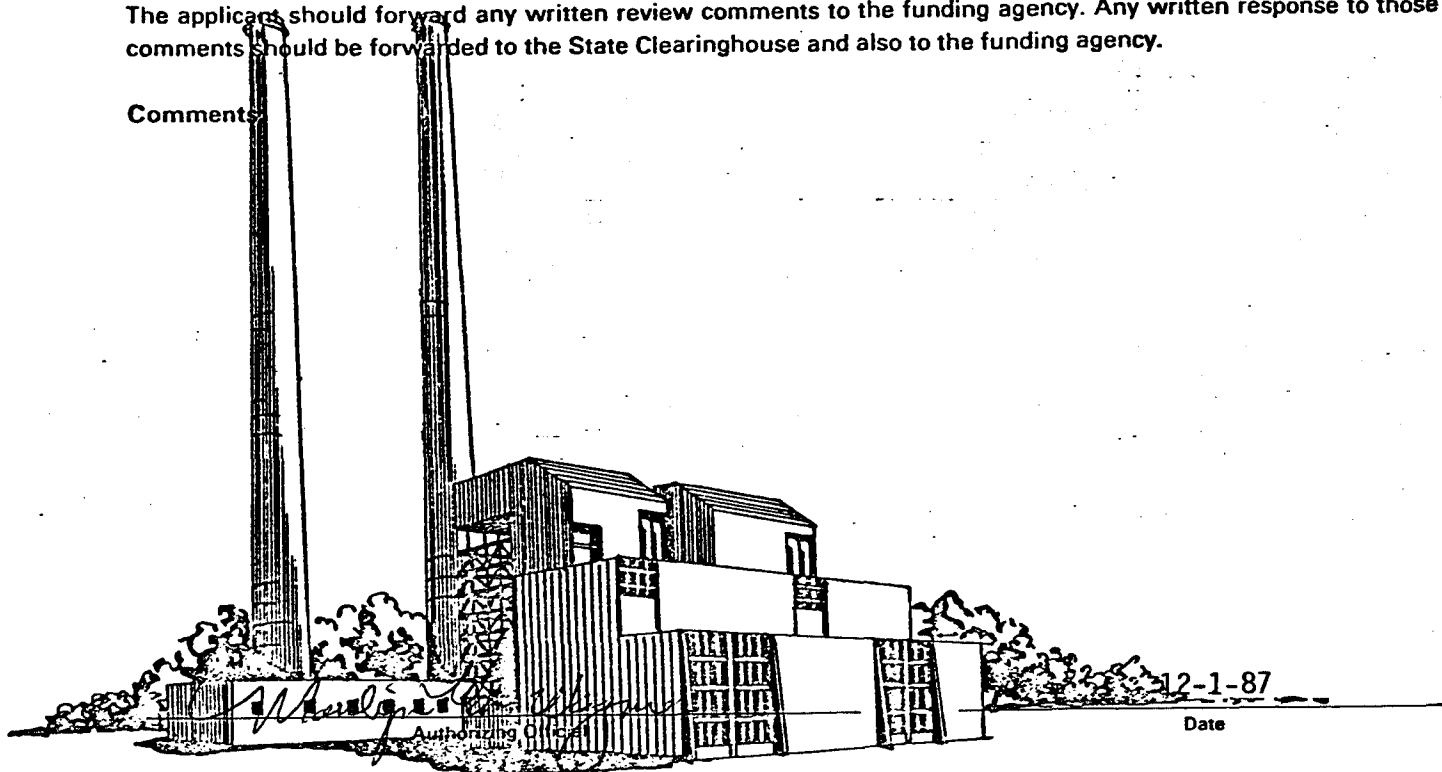
APPLICATION FOR PERMIT TO DRILL

*TEB Inc.*  
*Cyclone Flat #1*  
*30-37S-19E*  
*San Juan Co.*

- ☒ No comment  
☐ See comments below  
☐ No action taken because of insufficient information  
☐ Please send your formal application to us for review. Your attendance is requested ☐

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

Comments



12-1-87

Date

REGIONAL CLEARINGHOUSE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

TEB INC

(316) 637-2340

3. ADDRESS OF OPERATOR

RT. 1 Box 82 Toronto, KS 66777

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface

660' FSL & 1980' FWL (SESW)

30-375-19E

14. PERMIT NO.

43-037-31362

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6667' Ground elevation

5. LEASE DESIGNATION AND SERIAL NO.  
U-62178 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A Dr.

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Cyclone Flat

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA

30-375-19E

12. COUNTY OR PARISH

SAN JUAN UTAH

13. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

28 SKS. 3.1/mix 100' plug 1436.61' - 1536.61'

29 SKS. 3.86/mix 100' plug 1092.21' - 1192.21'

19 SKS - SURFACE TO 59.74 50' plug

ALL CEMENT 50/50 POZ A, 2% B TOTAL 901

5% CAL-SEAL, 15% SPIT.

SURFACE CSG.

NOTE: 8 5/8" shot @ 1152.21'

18. I hereby certify that the foregoing is true and correct

SIGNED

John P. Norrington Jr.

TITLE

Petroleum Engineer

DATE

12-23-87

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

14

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

5. LEASE DESIGNATION AND SERIAL NO.

U-62178

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A 123023

8. FARM OR LEASE NAME

Cyclone Flat

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

30-375-19E

12. COUNTY OR PARISH

SAN JUAN

13. STATE

UTAH

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other ☒ P/A

2. NAME OF OPERATOR

TEB INC (316) 637-2340

3. ADDRESS OF OPERATOR

RT. 1 Box 82 Toronto, KS 66777

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface

660' FSL & 1980' FWL

At top prod. interval reported below

(SESW) 30-375-19E

At total depth

14. PERMIT NO.

DATE ISSUED

43-037-31312 11-13-87

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)\*

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

19. ELEV. CASINGHEAD

12-9-87

12-16-87

N/A

6667' G.L.

N/A

20. TOTAL DEPTH, MD & TVD

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

2728' TVD

Surf Face

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

N/A

25. WAS DIRECTIONAL SURVEY MADE

YES - Totco

Wireline & Drilled

27. WAS WELL CORED

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

DICL, GR, MGSN, BDL 4-26-91

28. CASING RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24"	1152' 27"	12 1/4"	P/C.M.T. 200 SKS.	NONE
				Pol Mix out 200 SKS.	
				CAI-seal 20 SKS	
				2 1/2 Gal 400 SKS	
- 40 BBL'S. CEMENT RETURNS -					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
	N/A			

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

N/A

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	N/A

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or Abandoned)	
							PSA 12-23-87	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
			→					
FLOW, TUBING PRESS.	CASINO PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
		→						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

John P. Morris

TITLE Petroleum Engineer

DATE 12-23-87

\*(See Instructions and Spaces for Additional Data on Reverse Side)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-62178
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR TEB, Inc. (316) 637-2340		7. UNIT AGREEMENT NAME N/A
3. ADDRESS OF OPERATOR Route 1, Box 82, Toronto, Kansas 66777		8. FARM OR LEASE NAME Cyclone Flat
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660' FSL & 1980' FWL (SESW) At proposed prod. zone Same		9. WELL NO. #1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 21 air miles WSW of Blanding, Utah		10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 30-37s-19e SLBM
16. NO. OF ACRES IN LEASE 2,353		12. COUNTY OR PARISH San Juan
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE Ut.
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1,320'		20. ROTARY OR CABLE TOOLS Rotary
19. PROPOSED DEPTH 3,350'		22. APPROX. DATE WORK WILL START* Jan. 20, 1988
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6,667' ungraded ground		

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3* (H-40 ST&C)	500'	300 sx or to surface
8-3/4"	5-1/2"	15.5* (J-55 ST&C)	3,350'	925 sx or to surface

CONFIDENTIAL

TIGHT HOLE. PLEASE KEEP CONFIDENTIAL.

Well was previously approved (43-037-31362), built in November, 1987, drilled, and plugged on December 16, 1987. Based on new information, now wish to change plans. Will re-enter well, drill out plugs, and increase TD from 2,700' to 3,350'. See 8 Point Drilling Program for details. No change in surface use program or location.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Consultant DATE 1-10-88

(This space for Federal or State office use)

PERMIT NO. 43-037-31362

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

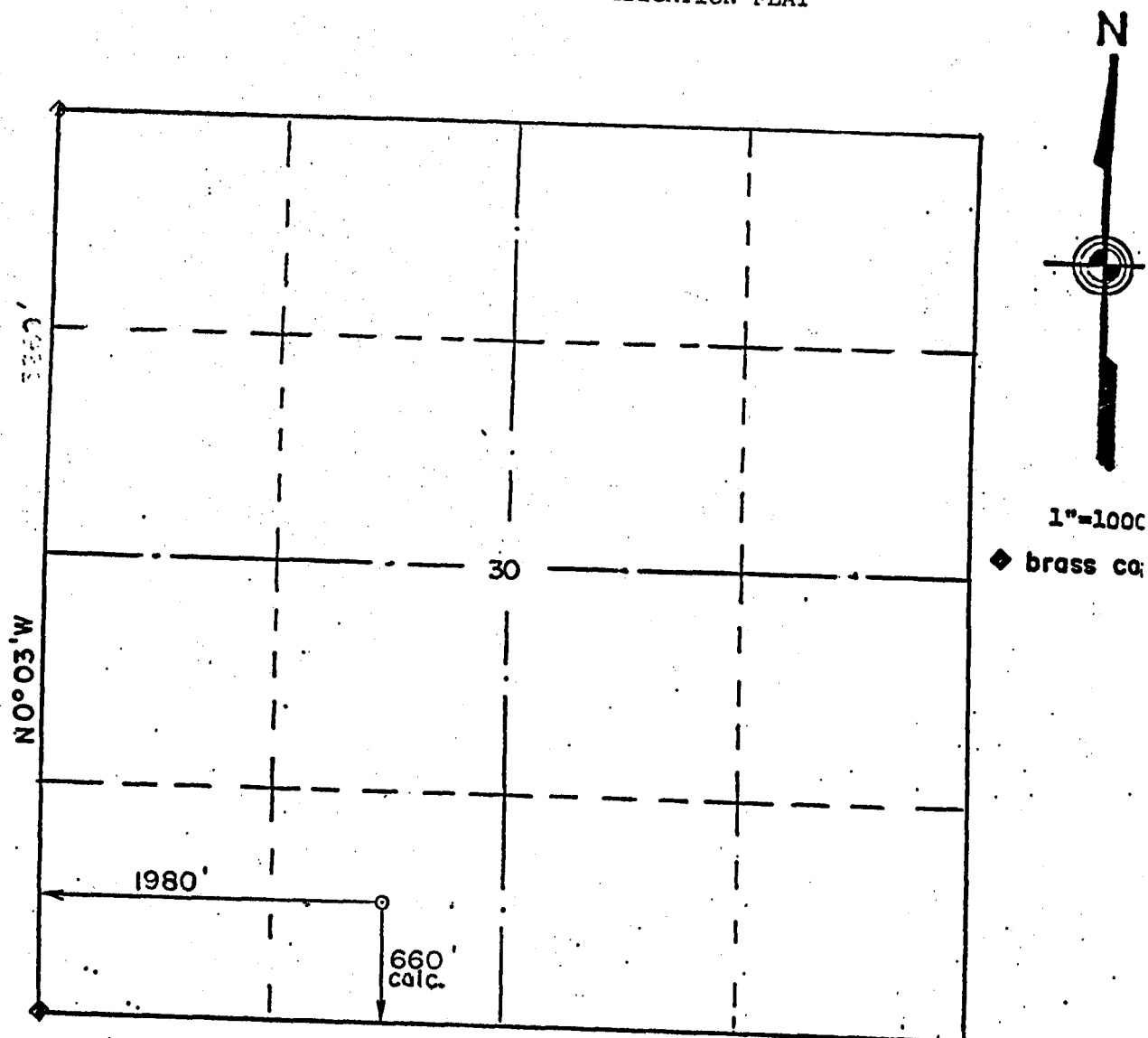
DATE 1-20-88

BY [Signature]

WELL SPACING: RK 15-3-2

\*See Instructions On Reverse Side

# WELL LOCATION AND ACREAGE DEDICATION PLAT



## WELL LOCATION DESCRIPTION:

TEB, Inc. Cyclone Flat #1  
 660' FSL & 1980' FWL  
 Section 30, T.37 S., R.19 E., SLM  
 San Juan County, Utah  
 6667' ground elevation

The above plat is true and correct to my knowledge and belief.

22 October 1987

REGISTERED LAND SURVEYOR  
 No. 5705  
 GERALD G. HUDDLESTON  
 Gerald G. Huddleston  
 Gerald G. Huddleston, LS  
 STATE OF UTAH

213 East Montezuma Avenue • Cortez, Colorado 81321 • 303-565-3330

T. E. BIRD  
ROUTE 1, BOX 82  
TORONTO, KANSAS 66777

316-637-2340

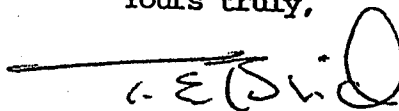
1255/10/21/87

Re: APDs

TO WHOM IT MAY CONCERN:

This letter authorizes Mr. Brian Wood, Permits  
West, Inc., Santa Fe, New Mexico, to sign APDs on  
behalf of TEB, Inc.

Yours truly,

A handwritten signature in dark ink, appearing to read "T. E. Bird", with a horizontal line drawn through the middle of the signature.

T. E. Bird, President  
TEB, Inc.

TEB:mb

TEB, Inc.

PAGE 1

Cyclone Flat #1

660' FSL & 1980' FWL

Sec. 30, T. 37 S., R. 19 E.

San Juan County, Utah

CONFIDENTIAL INFORMATION

All lease operations will be conducted in full compliance with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas Order #1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. TEB, Inc. will furnish a copy of these conditions to its field representative to assure compliance.

### 8 Point Drilling Program

#### 1. ESTIMATED FORMATION TOPS

<u>Formation Name</u>	<u>Depth from GL*</u>	<u>Depth from KB</u>	<u>Subsea Depth</u>
Cedar Mesa Ss	000'	12'	+6,667'
Elephant Canyon	840'	852'	+5,827'
Halgaito Shale	1,060'	1,072'	+5,607'
Honaker Trail	1,296'	1,308'	+5,371'
Hermosa	1,460'	1,472'	+5,207'
Upper Ismay	2,395'	2,407'	+4,272'
Lower Ismay	2,495'	2,507'	+4,172'
Desert Creek	2,620'	2,632'	+4,047'
P-40 Shale	2,675'	2,687'	+3,992'
Salt Cycle 6	2,742'	2,754'	+3,925'
Salt Cycle 7	2,827'	2,839'	+3,840'
Salt Cycle 9	2,906'	2,918'	+3,761'
Salt Cycle 13	3,108'	3,120'	+3,559'
Salt Cycle 15	3,202'	3,214'	+3,465'
Pinkerton Trail	3,312'	3,324'	+3,355'
Total Depth (TD)	3,350'	3,362'	+3,317'

\* ungraded GL



TEB, Inc.  
Cyclone Flat #1  
660' FSL & 1980' FWL  
Sec. 30, T. 37 S., R. 19 E.  
San Juan County, Utah

PAGE 2

**CONFIDENTIAL INFORMATION**

**2. NOTABLE ZONES**

The estimated formation top depths from ungraded GL at which water, oil, gas, or other mineral bearing zones are expected to be encountered are:

Possible Fresh Water Zone

Cedar Mesa: 000'

Possible Salt Water Zones

Upper Ismay: 2,395'

Lower Ismay: 2,495'

Desert Creek: 2,620'

Salt Cycles: 2,742'

Possible Oil & Gas Zones

Upper Ismay: 2,395'

Lower Ismay: 2,495'

Desert Creek: 2,620'

Pinkerton Tr'l: 3,312'

Water bearing zones will be protected with weighted mud. All fresh water encountered during drilling will be recorded by depth, cased, and cemented. All oil and gas shows will be tested to determine commercial potential.

**3. PRESSURE CONTROL (Also see "5." on PAGE 4)**

BOP systems will be consistent with API RP 53. A 10" x 3,000 psi double ram and annular preventer with a 3,000 psi choke manifold will be used. A diagram of a typical BOP is on Page 3. Actual model will not be known until bid is let.

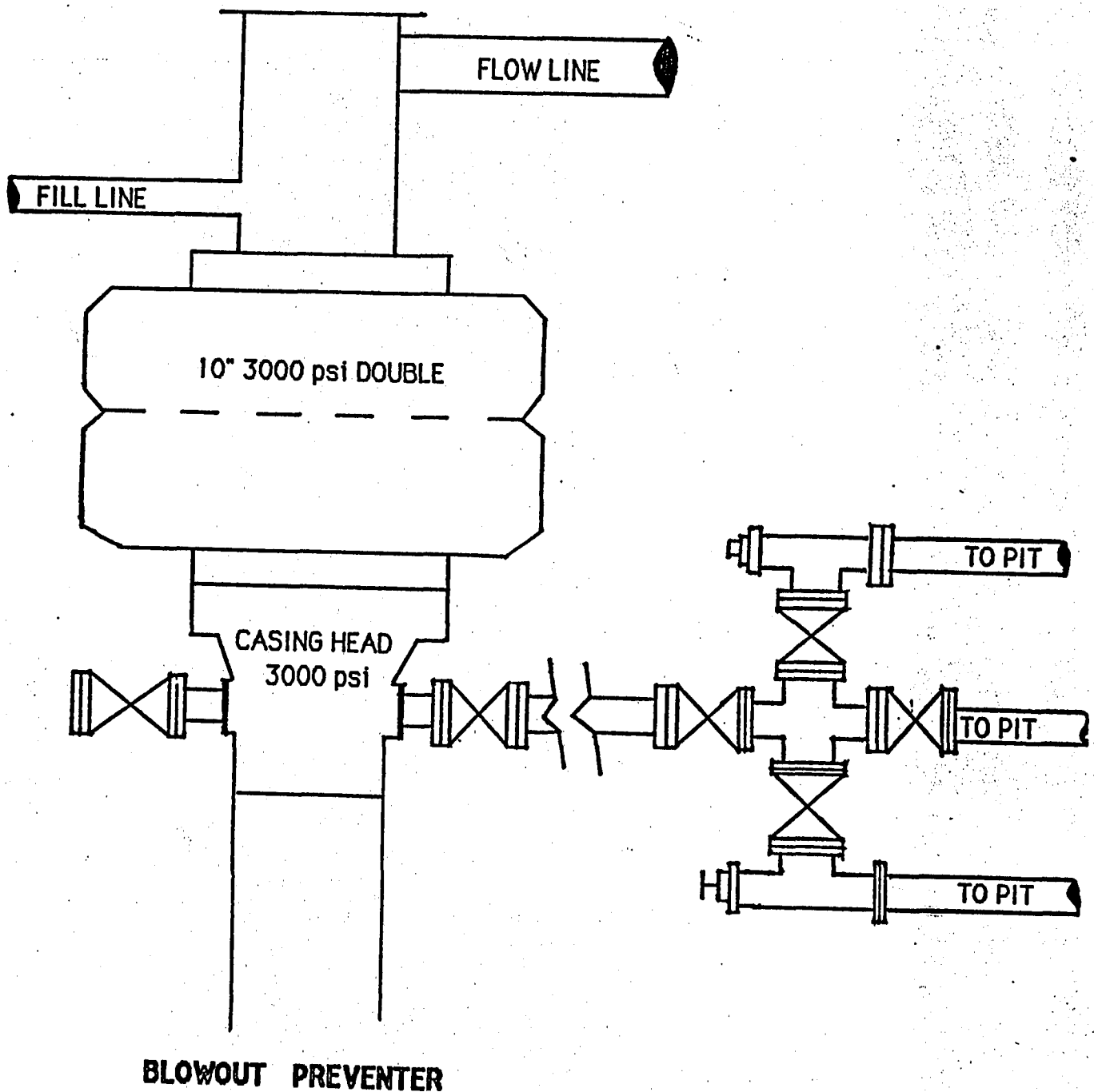
Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. BOP controls will be installed before drilling the surface casing plug, and will stay in use until the well is completed or abandoned. Preventers will be pressure tested before drilling casing cement plugs. All BOP mechanical and pressure tests will be recorded on the drillers log.

BOPs will be inspected and operated at least daily to assure good mechanical working order. This inspection will be recorded on the daily drilling report.

TEB, Inc.  
Cyclone Flat #1  
660' FSL & 1980' FWL  
Sec. 30, T. 37 S., R. 19 E.  
San Juan County, Utah

PAGE 3

CONFIDENTIAL INFORMATION



TEB, Inc.  
Cyclone Flat #1  
660' FSL & 1980' FWL  
Sec. 30, T. 37 S., R. 19 E.  
San Juan County, Utah

PAGE 4

CONFIDENTIAL INFORMATION

4. CASING & CEMENTING

<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>	<u>Age</u>	<u>Setting Depth (GL)</u>
12-1/4"	9-5/8"	32.3*	H-40	ST&C	New	0'-500'
8-3/4"	5-1/2"	15.5*	J-55	ST&C	New	0'-3,350'

Surface Casing (0'-500'): Cement to surface with 300 sx (100% excess) Class B cement with 2%  $\text{CaCl}_2$  and 1/4 lb/sk Flocele.

Production Casing (0'-3,350'): Cement to surface with 925 sx Class H 50/50 Poz with 2% total gel and 5 lb/sk Cal-seal with 18% salt.

The San Juan Resource Area will be notified one day before running casing strings and cement. Six centralizers and 10 scratchers will also be used.

5. MUD PROGRAM

<u>Depth</u>	<u>Type</u>	<u>Weight (ppg)</u>	<u>Viscosity (sec/qt)</u>	<u>FL(cc)</u>
0'-500'	Spud Mud w/ Agua Gel & lime	9.0	45	NL
500'-2,740'	Fr. Water w/ EZ Mud & lime	9.4	28-45	0-15
2,740'-3,350'	Brine w/ Yeogel & starch	10.6	36-45	10

Lost circulation material (walnut shells, cedar bark, *etc.*) will be on location. An oxygen scavenger (ammonium biosulfite) will be used below 2,740'.

6. CORING, TESTING, & LOGGING

No cores are planned. Drill stem tests may be run in the Ismay, Desert Creek, and elsewhere if good shows are found. The following logs may be run:

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GR: Total Depth to Surface  
FDC/CNL/DLL/BHC: Total Depth to 500'

Whether the well is completed as a dry hole or producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well, or after completion of operations being performed, *per* 43 CFR 3164. Two copies of all logs, core descriptions & analyses, well test data, geologic summaries, sample descriptions, and all other data obtained during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. (If requested, sample cuttings, fluids, and/or gases will be submitted to the District Manager.)

**7. DOWNHOLE CONDITIONS**

The maximum anticipated bottom hole pressure is 2,200 psi. No abnormal pressures or temperatures are expected. Hydrogen sulfide may be found upon drilling below 2,700'. A hydrogen sulfide contingency plan has been prepared and is attached at the end. It will be implemented at 2,500'.

**8. MISCELLANEOUS**

The anticipated spud date is January 20, 1988. It is expected it will take 5 days to drill the well and 10 days to complete the well.

BLM may inspect or witness the following:

- 1) BOP tests or cementing and testing surface casing
- 2) Setting and testing surface casing shoe plug on a dry hole
- 3) Setting and testing of plugs across a producing horizon, and if applicable, the surface casing shoe plug and/or annulus squeeze jobs on a depleted producer.

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No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date will be phoned to the Resource Area, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5), reporting the spud date and time, will be sent to the District Manager within 24 hours after spudding. If the spud is on a weekend or holiday, the Sundry will be sent on the following regular work day.

Starting with the month in which operations begin, and continuing each month until the well is physically plugged and abandoned, a "Monthly Report of Operations" (Form 3160-6) will be sent to the District Manager.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual events will be promptly reported to the Resource Area *per* NTL-3A.

A Sundry Notice will be filed for prior approval of the District Manager if a replacement rig is planned for completion. All conditions of this approved plan apply to all operations of the replacement rig. In emergencies, verbal approval can be given by the District Manager.

If the well is successfully completed for production, then the District Manager will be notified. Written notification will be sent not later than 5-business days following the date on which the well is placed on production. The Resource Area will schedule a first production conference within 15 days after receipt of the first production notice.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Manager. This preliminary approval will not exceed 30

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days or 50 MMcf of gas. Approval to vent/flare beyond this initial period will require the District Manager's approval *per* NTL-4A.

No well abandonment operations will begin without the prior approval of the District Manager. With a newly drilled dry hole, failure, or emergency, oral approval will be obtained from the District Manager. A Sundry Notice will be sent to the District Manager within 30 days following completion of the well for abandonment. The Sundry will note where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until reclamation required by the approved APD or abandonment notice has been completed to the satisfaction of the Area Manager.

Once plugged, a regulation dry hole marker will be erected. The following information will be beaded on with a welding torch: TEB, Inc., Cyclone Flat #1, SESW 30-37s-19e, U-62178.

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### 13 Point Surface Use Plan

#### 1. EXISTING ROADS (See PAGES 16-17)

From the junction of U-95 and US 191 (*aka*, Shirttail Corner) south of Blanding, Utah, go west 25.3 mi. on U-95.

Then turn left and go southwest 2.3 mi. on a dirt road.

Then turn right and go 150 yards west to the well pad on a new road.

Existing roads are state and BLM. Roads will be maintained to a standard at least equal to their present condition. Only upgrading will be 100 yards of flat blading to remove ruts in SE Sec. 18 and NE Sec. 19. Maximum disturbed width will not exceed 30'.

An Encroachment Permit has been filed with the San Juan County Road Department for part of the water haul route.

#### 2. NEW ROADS (See PAGE 17)

There will be 150 yards of new road. It will be flat bladed with a maximum disturbed width not to exceed 30. There will be no turnouts or fence crossings. Maximum cut or fill will be 3'. Maximum grade will be 5%.

Surface disturbance and vehicle travel will be limited to the approved location and road. Any additional area needed will be approved in advance by the Area Manager. If access is used during wet winter weather, road surfacing may be required.

The access will be water barred or brought to Class 3 Road Standards within 60 days of dismantling the drill rig. If this deadline cannot be met, the Resource Area will be notified so temporary drainage control can be

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installed. Class 3 Road Standards control drainage through the use of topography, ditch turnouts, dips, outsloping, crowning, low water crossings, and culverts. Specific measures will be determined at a joint TEB-BLM field inspection.

### 3. EXISTING WELLS

There are no water, producing, injection, or disposal wells within 1 mile. TEB does plan to drill 4 wells within a one mile radius, they are:

Cyclone Flat #2 is 1,320' away at 1980' FSL & 1980' FWL 30-37s-19e

Cyclone Flat #3 is 2,831' away at 1790' FNL & 2020' FWL 30-37s-19e

Cyclone Flat #4 is 3,961' away at 660' FNL & 1950' FWL 30-37s-19e

Cyclone Flat #5 is 5,280' away at 660' FSL & 1980' FWL 19-37s-19e

### 4. PROPOSED PRODUCTION FACILITIES

The type and layout of the production facilities are not known now. An on-site will be held and a Sundry Notice will be submitted for approval before they are installed.

All permanent (on site for 6 or more months) surface facilities will be painted a flat, neutral, earthtone color. Painting will be completed within 6 months of installation. Parts required to comply with OSHA colors will be excluded. Specific color will be determined by BLM after an on-site.

The tank battery will be surrounded by a dike of sufficient capacity to contain 150% of the storage capacity of the largest tank in the battery. All loading lines will be placed inside the dike.

All site security guidelines in 43 CFR 3162.7 will be obeyed. All product



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lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease must have prior written approval from the District Manager.

Any gas meter run will be within 500' of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500' downstream of the meter and any production facilities. Meters will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well pad. Meters will be calibrated in place before delivery begins. Meter accuracy tests will be conducted monthly for the first 3 months on new meters, and at least quarterly thereafter. The Resource Area will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be sent to the Resource Area. All meters will conform with the API standards for liquid hydrocarbons and AGA standards for natural gas measurement.

#### 5. WATER SUPPLY (See PAGE 16)

Water will be trucked 12.7 mi. from Comb Wash on BLM administered land in NE Sec. 13, T. 38 S., R. 20 E. An Application to Appropriate Water has been filed with the State of Utah Div. of Water Rights. This is casual use.

#### 6. CONSTRUCTION MATERIALS

Pad construction materials are native *in situ* soils on lease. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2-3.

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#### 7. WASTE DISPOSAL

The reserve pit will not be lined, 60% of the capacity will be in cut.

The pit will be fenced on 3 sides with 4 strands of barbed wire or woven wire topped with barbed wire. The 4th side will be fenced once the rig moves off. The fence will be kept in good repair while the pit dries.

All trash will be placed in a burn pit. It will be built near the mud tanks and dug at least 6' into cut. It will be totally enclosed with a fine wire mesh before the rig moves in. A burning permit is required for burning trash between May 1 and October 31. A burning permit can be obtained by calling the San Juan County Sheriff at (801) 587-2237. The road and pad will be kept litter free.

Human waste will be disposed of in 20' deep ratholes or chemical toilets. The ratholes will be immediately filled when the trailers are removed.

Produced water will be confined to the reserve pit for a period not to exceed 90 days after initial production. During the 90 day period an NTL-2B application will be submitted for the District Manager's approval of a permanent disposal method and site.

#### 8. ANCILLARY FACILITIES

There will be no formal camp, though three camper trailers may be on site for the company man, mud logger, and tool pusher.

#### 9. WELL SITE LAYOUT

See PAGES 18-20 for depictions of the well pad, cross sections, cut and

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fill diagrams, reserve pit, burn pit, access road onto the pad, parking, living facilities, soil stockpile, and rig orientation.

The top 8" of soil will be removed from the location and stockpiled southeast of the pad.

#### 10. RECLAMATION

Immediately upon completion of drilling, all trash and debris will be collected from the pad and surrounding area and placed in the burn pit.

TEB's dirt contractor will call the Resource Area 48 hours before starting reclamation that involves earth moving equipment, and upon completion of reclamation. The reserve pit must be completely dry before it is backfilled.

All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts. It also includes backfilling the pond built in Comb Wash.

The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12" deep with the contour.

Seed will be broadcast between October 1 and February 28 with the following mixture. A harrow or similar implement will be dragged over the area to assure seed cover.

Species

Crested wheatgrass (*Agropyron desertorum*)

Rate (pounds/acre)

10

After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed area. The new access will be blocked to prevent vehicle

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access.

The reserve pit and that part of the pad not needed for production will be reclaimed as previously described. Enough topsoil will be kept to reclaim the remainder of the pad at a future date. The remaining topsoil stockpile will be seeded in place using the prescribed seed mix.

11. SURFACE OWNER

The surface owner of the pad and access road is the U.S. Government.

12. OTHER INFORMATION

The dirt contractor will be provided with an approved copy of the surface use plan.

There will be no change from the proposed drilling and/or workover plan without prior approval from the District Manager. A Sundry Notice will be filed for approval for all changes of plans and other operations *per* 43 CFR 3164.

Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified *per* 43 CFR 3162.2.

If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the Resource Area will be called. All people who are in the area will be informed by TEB that they are subject to prosecution for disturbing archaeological sites or picking up artifacts, including arrowheads.

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This permit will be valid for one year from the date of approval. After it expires, a new application will be filed for approval of any future operations.

The District Office's mailing address is P.O. Box 970, Moab, Utah 84532. The phone number is (801) 259-6111. Ask for Steve Jones.

The Resource Area's mailing address is P.O. Box 7, Monticello, Utah 84535. The phone number is (801) 587-2141. Ask for Rich McClure for surface problems. Ask for Mike Wade for subsurface problems.

The nearest hospital is a 75 minute drive to Monticello, Utah. It is 3 blocks northwest of the intersection of US 666 and US 191. Phone number is (801) 587-2116. The nearest medically equipped helicopter is in Grand Junction, Colorado, at St. Mary's Hospital. Call (303) 244-2550.

### 13. REPRESENTATION AND CERTIFICATION

Anyone having questions concerning the APD should contact:

Brian Wood  
Permits West, Inc.  
37 Verano Loop  
Santa Fe, NM 87505  
(505) 984-8120

The field representative for TEB, Inc. will be:

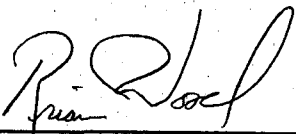
Tom Bird  
TEB, Inc.  
Rt. 1, Box 82  
Toronto, Ks. 66777  
(316) 637-2340

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#### CERTIFICATION

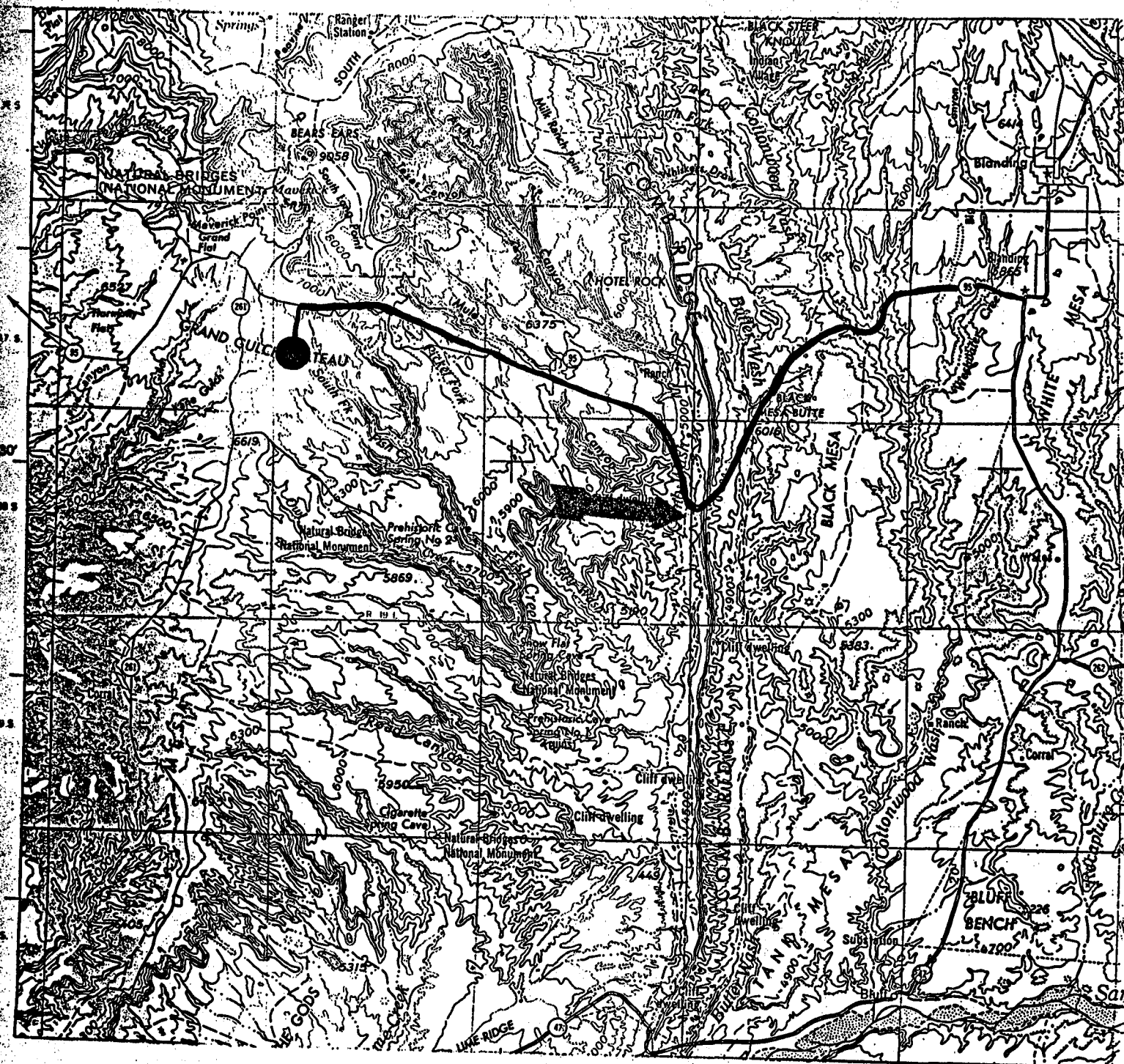
I hereby certify that I have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by TEB, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

  
\_\_\_\_\_  
Brian Wood

1-10-88  
Date

TEB, Inc.  
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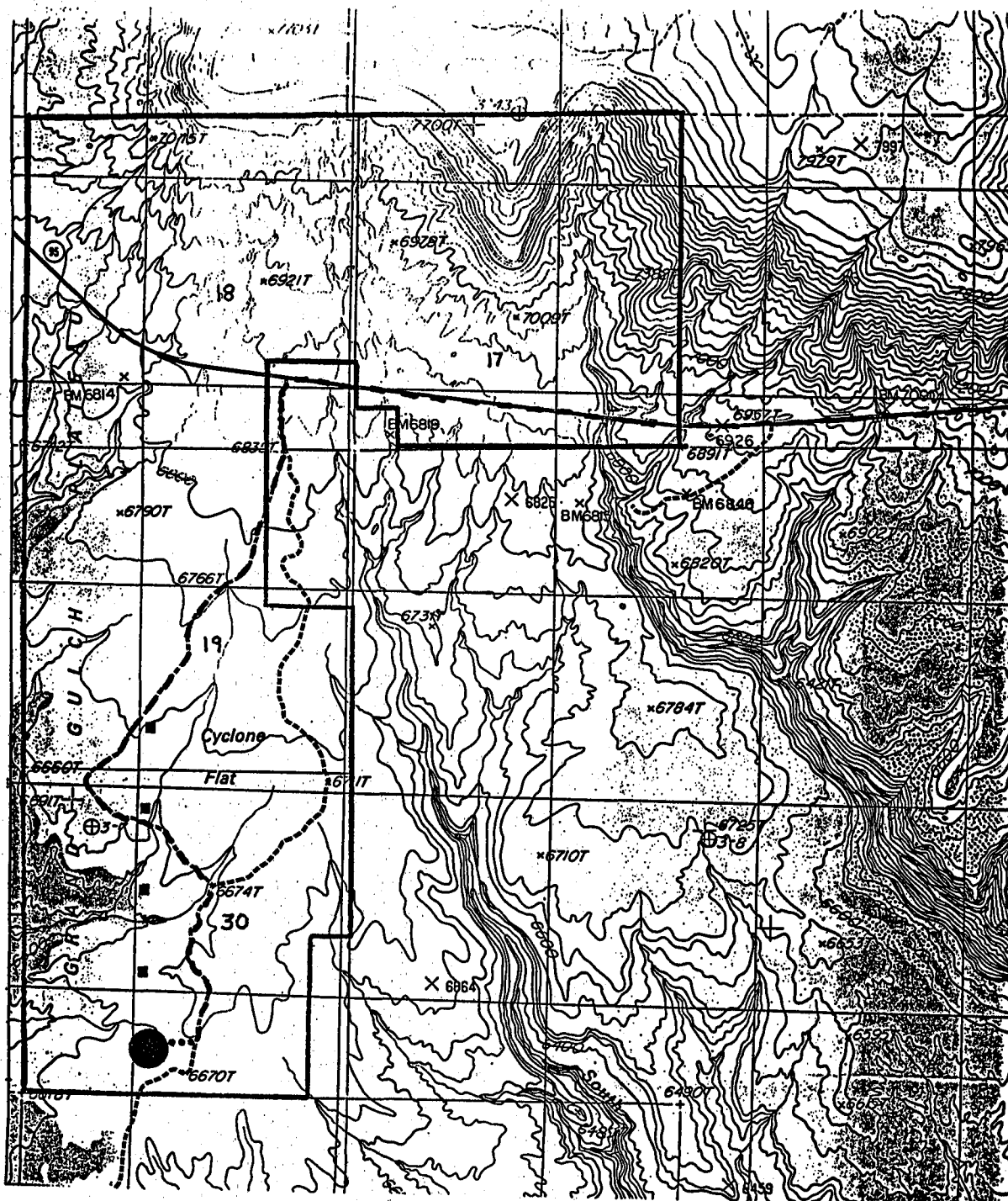
Cyclone Flat #1 Well: ●

Water Source: 

Access: —

**PERMITS WEST, INC.**  
 PROVIDING PERMITS for the ENERGY INDUSTRY

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Lease: ☐

**PERMITS WEST, INC.**  
PROVIDING PERMITS for the ENERGY INDUSTRY

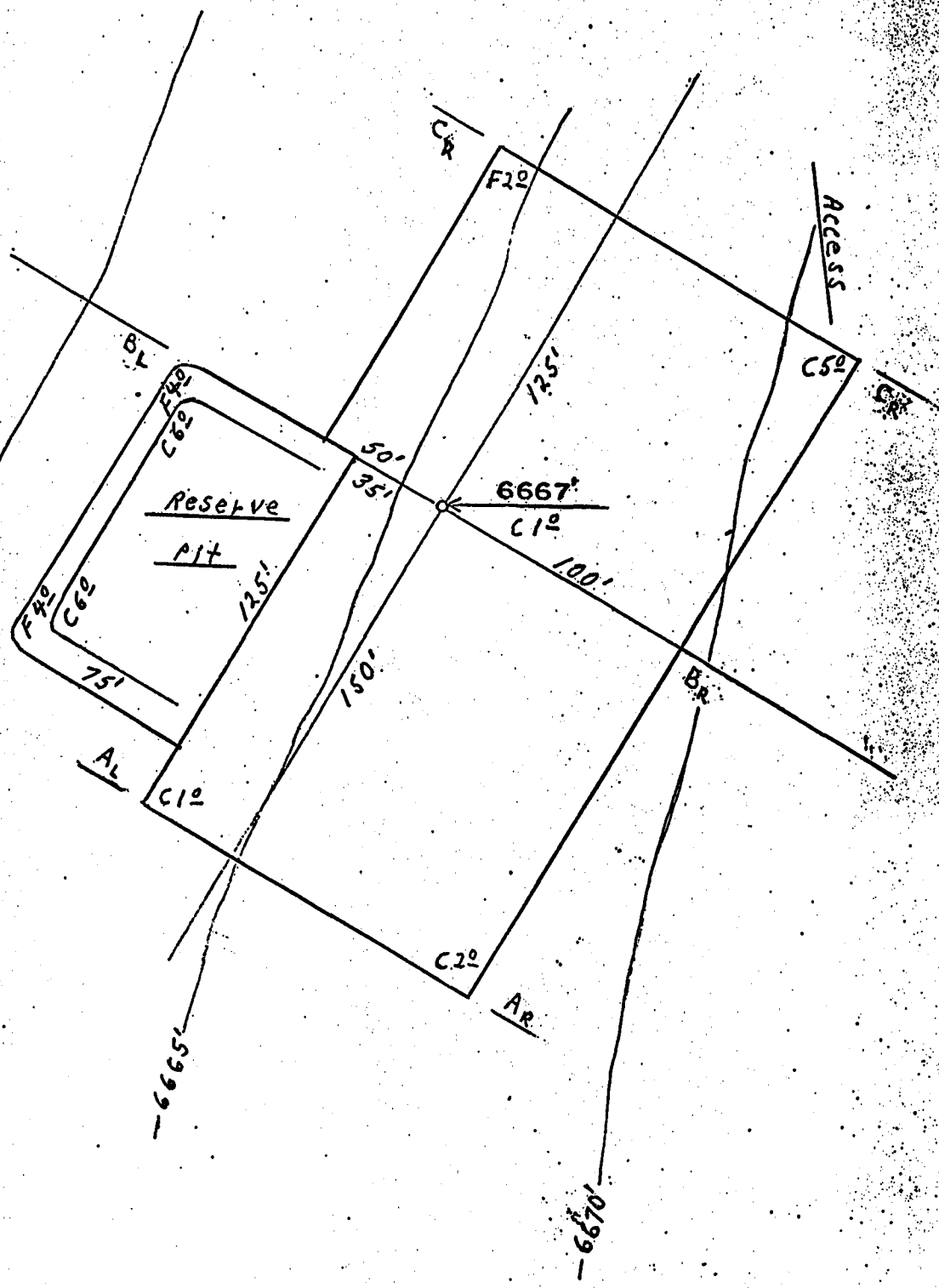
**New Access: ...**




WELL PAD PLAN VIEW

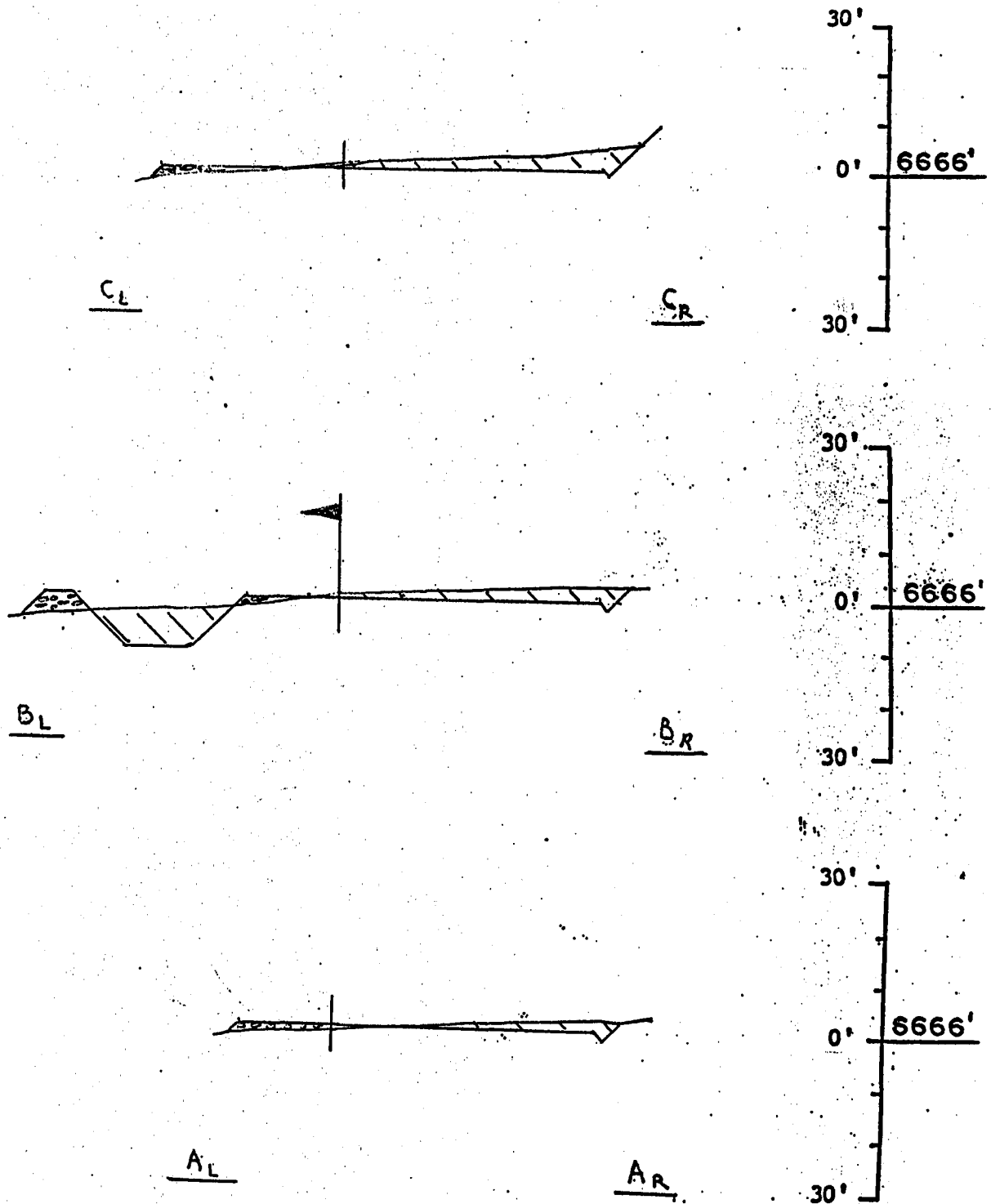
Well Cyclone Flat #1

1" = 60'



Cut /////  
Fill 

Scales: 1" = 60' H.  
1" = 30' V.





# STANDBY SAFETY SERVICES, INC.

P.O. Box 1407 • Cortez, CO 81321 • (303) 565-6391

## H2S CONTINGENCY PLAN

DATE: 1/8/88

WELL NAME: Cyclone Flat #1 T.D. 3350

LOCATION: 660' FSL & 1980" FWL (SESW) Sec. 30, T37S., R.19E

San Juan County, Utah

FIELD NAME: Cyclone Flat

H2S FORMATION: Salt Cycles DEPTH: 2,742'

CONTRACTOR:

Unknown RIG NAME: \_\_\_\_\_ RIG PHONE: \_\_\_\_\_

DRILLING SUPERINTENDENTS:

Unknown MOBILE PHONE: \_\_\_\_\_ HOME PHONE: \_\_\_\_\_

\_\_\_\_\_ MOBILE PHONE: \_\_\_\_\_ HOME PHONE: \_\_\_\_\_

OPERATIONS SUPERINTENDENT:

Tom Bird OFFICE PHONE: 316-637-2340 HOME PHONE: \_\_\_\_\_

DRILLING ENGINEER:

John Norris OFFICE PHONE: 303-468-5418 HOME PHONE: \_\_\_\_\_

GEOLOGIST:

Unknown OFFICE PHONE: \_\_\_\_\_ HOME PHONE: \_\_\_\_\_

I. Introduction. H<sub>2</sub>S is a toxic, poisonous gas that could cause death or injury. The objective of this contingency plan is to provide an organized plan of action for alerting and protecting the public from H<sub>2</sub>S exposure in the event a potentially hazardous volume is accidentally released to the atmosphere. This plan should be activated immediately if any such release occurs. The Drilling Superintendent is responsible for initiating and carrying out the plan.

II. Individual Responsibilities. It is the responsibility of all personnel on the location to familiarize themselves with the procedures outlined in this contingency plan.

A. All personnel:

1. Responsible for his assigned safety equipment.
2. Responsible for familiarizing himself with the location of all safety equipment.
3. Responsible for reporting any indications of H<sub>2</sub>S to those in the area and to a supervisor.

B. Drilling Superintendent:

1. Responsible for thoroughly understanding and seeing that all aspects of this contingency plan are enforced.
2. Responsible for implementing all phases of this contingency plan.
3. Responsible for keeping a minimum of personnel on the location during expected hazardous operations.
4. Responsible for coordinating all wellsite operations and communications in the event that an emergency condition develops.
5. Responsible for ensuring that all visitors receive an H<sub>2</sub>S safety orientation. A visitor's log will be maintained as well as a list of all personnel on the location after drilling has progressed to the suspected H<sub>2</sub>S formation.
6. Responsible for notifying the drilling office, public safety personnel, regulatory agencies, and the general public of the existence and location of an H<sub>2</sub>S release.

III. Location Layout

- A. The location of at least two pre-determined safe areas to assemble at in the event of an emergency. These locations should be located 180° to one another, and in the direction of the prevailing winds.

The pre-determined safe areas for this well are:

Area #1: Safety Trailer

Area #2: 180° from area #1

- B. The location and type of all H2S detectors. One located at the bell nipple, one located at the shale shaker, and a third one on the rig floor. Indicate here any other additional H2S detector locations for this well:

TYPE: Gastec LOCATION:

Gastec Hand Detector Safety Trailer

Gastec Hand Detector Dog House

- C. The location and type of all air masks. Self-contained breathing apparatus for use by rig personnel for this well will be kept in the following locations:

TYPE: Escape Units LOCATION: Rig Floor

work units Safety Trailer

Rescue Units Area #1 and Area #2

If a cascade system is utilized, indicate the location(s):

TYPE: 10-300 cu ft cylinder LOCATION: Safety Trailer

system

- D. The location of wind socks or streamers. The wind direction indicators for this well will be located at:

TYPE: Wind sock LOCATION: Safety Trailer

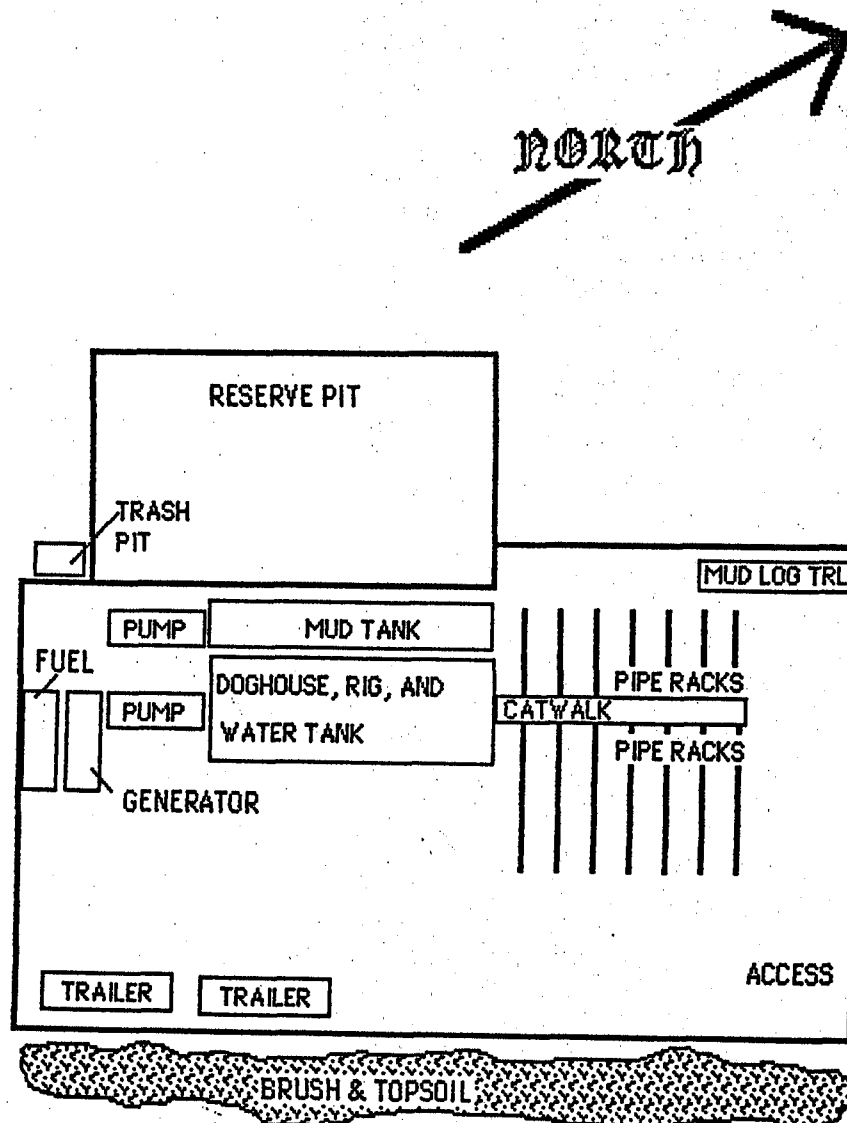
Wind sock Mud Pits

- E. The location of any other safety equipment used, such as flare guns or buy blowers:

TYPE: Flare Gun LOCATION: Safety Trailer

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- F. The location of all telephones and /or means of communications. The communications for this well will be located at:

TYPE: Unknown LOCATION: \_\_\_\_\_

---

G. Warning Signs:

1. "NO SMOKING" signs should be strategically located around the rig and rig location. The following locations are appropriate.
  - a. Doghouse
  - b. Rig floor
  - c. Substructure
  - d. lower landing of all stairs leading to rig floor
  - e. Mud pits
  - f. Shale shaker
2. "POISON GAS" signs should also be placed at strategic points on the locations. The following locations are appropriate.
  - a. All entrances leading to the location.
  - b. Lower landing of all stairs leading to rig floor.
  - c. All areas around substructure, including mud pits and shale shaker.
  - d. Various points along the perimeter of the radius of exposure.

NOTE: All warning signs should be black and yellow in color and of readable size at a reasonable distance.

IV. Operating Procedures. The following operating procedures will be utilized for drilling in areas with H<sub>2</sub>S.

- A. Plan of operation for handling gas kicks and other drilling problems. Any gas kick will be controlled by using approved well control techniques. Upon evidence that ambient H<sub>2</sub>S concentrations have reached 20 ppm, all non-essential personnel will be evacuated to pre-designated safe areas. Personnel remaining on the rig floor will continue to control the well as the situation dictates until the area is safe to re-enter.

B. Proposed mud program.

DEPTH INTERVAL (ft)	TYPE	(ppg) WEIGHT	FUNNEL VISC. (sec/Qt)	MEAS. AT 120°F		(cc)	SOLIDS (%)	pH	Cl- (ppm)
				PV (cp)	YP (lb/100ft <sup>2</sup> )				
			(UNKNOWN)						

Note: If necessary, approved H<sub>2</sub>S scavengers may be used.

C. Special Operations

1. Drill Stem Tests. All drill stem tests must be closed chamber and conducted during daylight hours.
2. Coring. After a core has been cut, circulate bottoms up and monitor for H<sub>2</sub>S. If hole conditions (and/or detectors) indicate potentially hazardous conditions, put breathing equipment on 10 stands before core barrel reaches the surface. Breathing equipment will be worn by all personnel while core barrel is pulled, broken out, and opened up, and until a safe atmosphere is indicated.

V. Operating conditions. Operating conditions are defined in three categories. A description of each of these conditions and the required action to take are given below.

A. CONDITION I - NORMAL OPERATING CONDITIONS, POTENTIAL DANGER, OPERATIONS UNDER CONTROL

Characterized by: Normal drilling operations and test operations in zones which contain or may contain H<sub>2</sub>S.

Warning flag: Yellow

ALARM: None

Probable occurrence; No detectable gas present at surface.

- General action:
- (1) Know location of safety equipment.
  - (2) Check safety quipment for proper functioning. Keep it available.
  - (3) Be alert for a condition change.
  - (4) Follow instructions of supervisor.

B. CONDITION II - POTENTIAL TO MODERATE DANGER TO LIFE



Characterized by: H<sub>2</sub>S gas present. Concentrations less than 20 ppm.

Warning flag: Orange

Alarm: Flashing light at 10 ppm H<sub>2</sub>S. Intermittent blasts on horn at 20 ppm H<sub>2</sub>S.

Probable occurrence:

- (1) As drill gas
- (2) As trip gas when circulating bottoms up.
- (3) When a core barrel is pulled.
- (4) When a well kick is circulated out
- (5) Surface pressure, well flow or lost returns problems.
- (6) Equipment failure during testing operations.

General action:

- (1) Follow instructions of supervisor
- (2) Put on breathing equipment if directed, or if conditions warrant it.
- (3) Stay in "SAFE BRIEFING AREA" if instructed and not working to correct the problem.
- (4) The Drilling Superintendent will initiate action to reduce the H<sub>2</sub>S concentration to zero.

C. CONDITION III - MODERATE TO EXTREME DANGER TO LIFE

Characterized by: H<sub>2</sub>S present in concentrations at or above 20 ppm. Critical well operations or well control problems. In the extreme, loss of well control.

Warning flag: Red

Alarm: Flashing light and continuous blast on horn at 20 ppm H<sub>2</sub>S.

Probable occurrence:

- (1) As drill gas
- (2) As trip gas when circulating bottoms up.

- (3) When a core barrel is pulled
- (4) When a well kick is circulated out
- (5) Surface pressure, well flow or lost returns problems.
- (6) Equipment failure during testing operations

General action:

- (1) Put on breathing equipment. Move to "SAFE BRIEFING AREA" and remain there if not working to correct or control problems.
- (2) Follow instructions of Drilling Superintendent or other supervisor.
- (3) The Drilling Superintendent will initiate emergency action as provided in the contingency plan and as appropriate to the actual conditions. If testing operations are in progress, well will be shut-in.
- (4) The Drilling Superintendent will conduct any necessary operations with an absolute minimum of personnel. All persons in the immediate area will wear a breathing apparatus. All other personnel will restrict their movements to those directed by the Superintendent.
- (5) If gas containing hydrogen sulfide is ignited, the burning hydrogen sulfide will be converted to sulfur dioxide which is poisonous.

VI. Emergency Procedures. The procedures listed below apply to drilling and testing operations.

A. If at any time during Condition I, the mud logger, mud engineer, or any other person detects  $H_2S$ , he will notify the Drilling Superintendent. All personnel should keep alert to the Drilling Superintendent's orders. He will:

- 1. Immediately begin to ascertain the cause or the source of the  $H_2S$  and take steps to reduce the  $H_2S$  concentration to zero. This should include having the mud engineer run a sulfide and pH determination on the flowline mud if water-base mud is in use. If an oil-base mud is in use, the mud engineer should check the lime content of the mud.

2. Order non-essential personnel out of the potential danger area.
  3. Order all personnel to check their safety equipment to see that it is working properly and in the proper location. Persons without breathing equipment will not be allowed to work in a hazard area.
  4. Notify the Contract Supervisor of condition and action taken.
  5. Increase gas monitoring activities (portable H<sub>2</sub>S detectors) and continue operations with caution.
  6. Display the orange warning flag.
- B. If the H<sub>2</sub>S concentration exceeds 20 ppm, the following steps will be taken.:
1. Put on breathing equipment
  2. Display red flag
  3. Driller - prepare to shut the well in.
    - a. Pick up pipe to get kelly out BOP's
    - b. Close BOP's if necessary.
  4. If testing operations are in progress, the well will be shut-in.
  5. Help anyone who may be affected by gas.
  6. Evacuate quickly to the "SAFE BRIEFING AREA" if instructed or conditions warrant.
- C. In the event a potentially hazardous volume of H<sub>2</sub>S is released to the atmosphere, the following steps must be taken to alert the public:
1. Remove all rig personnel from the danger area and assemble at a pre-determined safe area, preferably upwind from the well site.
  2. Alert the drilling office, public safety personnel, regulatory agencies, and the general public of the existence and location of an H<sub>2</sub>S release. See List of Emergency Telephone Numbers.
  3. Assign personnel to block any public road (and access road to location) at the boundary of the area of exposure. Any unauthorized people within the area should be informed

that an emergency exists and be ordered to leave immediately.

4. Request assistance from public safety personnel to control traffic and/or evacuate people from the threatened area.

VII. Training Program. All personnel associated with the drilling operations will receive training to insure efficient and correct action in all situations. This training will be in the general areas of: (1) personnel safety, (2) rig operations, and (3) well control procedures.

- A. Personnel Safety Training. All personnel shall have received H<sub>2</sub>S training in the following areas;
  1. Hazards and characteristics of H<sub>2</sub>S.
  2. Effect on metal components of the system.
  3. Safety precautions.
  4. Operation of safety equipment and life support systems.
  5. Corrective action and shutdown procedures.
- B. Rig Operations. All rig personnel shall have received training in the following areas:

1. Well control procedures.
2. Layout and operations of the well control equipment.

NOTE: Proficiency will be developed through BOP drills which will be documented by the Drilling Superintendent.

- C. Service Company Personnel. All service personnel shall have been trained by their employers in the hazards and characteristics of H<sub>2</sub>S and the operation of safety equipment and life support systems.
- D. Visitors. All first time visitors to the location will be required to attend a safety orientation. The Drilling Superintendent shall be responsible for this orientation, and he shall see that every visitor is logged in correctly.
- E. Public. The public within the area of exposure shall be given an advance briefing by the Drilling Superintendent. This briefing must include the following elements:
  1. Hazards and characteristics of hydrogen sulfide. It is an extremely dangerous gas. It is normally detectable by its "rotten-egg" odor, but odor is not a reliable

means of detection because the sense of smell may be dulled or lost due to intake of the gas. It is colorless, transparent, and flammable. It is heavier than air and may accumulate in low places.

2. The necessity of an emergency action plan. Due to the danger to persons exposed to hydrogen sulfide and the need for expeditious action should an emergency occur, this action plan will be put into effect if and when a leak occurs.
3. The location of hydrogen sulfide within the area of exposure. At the drilling location.
4. The manner in which the public will be notified of an emergency. By telephone or personal contact.
5. Steps to be taken in case of an emergency.
  - a. Abandon danger area.
  - b. Notify necessary agencies and request assistance for controlling traffic and evacuating people.

EMERGENCY PHONE NUMBERS LIST

A. MEDICAL PERSONNEL

1. Ambulance(s): Dispatched by (801) 587-2237  
or (801) 678-2334
2. Hospital (s): Monticello (801) 587-2116
3. Doctors: Nichols & MacNeil  
(801) 678-2254

B. FIREFIGHTING AND PUBLIC SAFETY PERSONNEL

1. Fire department(s): (801) 678-2313
2. Police Department(s): (801) 678-2334
3. County Sheriff: (801) 587-2237
4. State Police: (801) 587-2237

C. GOVERNMENT AGENCIES:

1. County Health Department: (801) 587-2231
2. OSHA (801) 533-6401
3. USGS (801) 259-5495
4. BLM (801) 259-6111 or 259-8193
5.

D. PERSONNEL

1. Drilling Superintendents: Unknown
2. Drilling Office:
3. Drilling Operations Superintendents:

EMERGENCY PHONE LIST

PAGE 2

3. Drilling Operations Superintendents  
(continued):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. Division Drilling Manager:

\_\_\_\_\_

5. Drilling Engineer:

\_\_\_\_\_

E. SERVICE COMPANIES:

1. Pump trucks:

Halliburton

Cortez, (303) 565-6521

2. Dirt Contractor(s):

Perry McDonald

Cortez, (303) 565-3659

3. Roustabout Crew(s):

\_\_\_\_\_

\_\_\_\_\_

4. H2S Service Company:

Standby Safety Service, INC.

Cortez, CO (303) 565-6391

5. Others:

\_\_\_\_\_

\_\_\_\_\_

NOTE: All entries should be made in the following manner:  
NAME - PHONE - LOCATION



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

January 20, 1987

TEB, Incorporated  
Route 1, Box 82  
Toronto, Kansas 66777

Gentlemen:

Re: Cyclone Flat #1 - SE SW Sec. 30, T. 37S, R. 19E - San Juan County  
660' FSL, 1980' FWL

Approval to re-enter the referenced well is hereby granted in accordance with Rule R615-3-2, Oil and Gas Conservation General Rules.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form to the Division within five working days of the time that the well is spudded or a change in operations or interests necessitates a change in entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.



Page 2  
TEB, Incorporated  
Cyclone #1  
January 20, 1987

6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31362.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals  
D. R. Nielson  
8159T

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. <b>U-62178 PA</b>
2. NAME OF OPERATOR <b>TEB, Inc.</b>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A 020415</b>
3. ADDRESS OF OPERATOR <b>Route 1, Box 82, Toronto, Kansas 66777</b>	7. UNIT AGREEMENT NAME <b>N/A</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <b>Surface: 660' FSL &amp; 1980' FWL (SESW) Bottom: Same</b>	8. FARM OR LEASE NAME <b>Eclipse Flat</b>
14. PERMIT NO. <b>43-037-31362</b>	9. WELL NO. <b>#1</b>
15. ELEVATIONS (Show whether OF RT. OR etc.) <b>6,667' ungraded ground</b>	10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>30-37s-19e SLBM</b>
	12. COUNTY OR PARISH <b>San Juan</b>
	13. STATE <b>Utah</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
MULTIPLE COMPLETE	<input type="checkbox"/>		
ABANDON*	<input type="checkbox"/>		
CHANGE PLANS	<input checked="" type="checkbox"/>		

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

Surface casing (8-5/8" 24# J-55 ST&C @ 1,100') will remain unchanged.  
Long string will be 5-1/2" 15.5# ST&C @ 2,700'.

Change TD from 3,350' (as stated in application dated 1-10-88) back to original 2,700'. This will avoid hydrogen sulfide-salt zone. Will re-enter, drill out plugs, run 5-1/2" production casing, perforate, acidize, and attempt to complete in Desert Creek and Upper Ismay.

TIGHT HOLE. CONFIDENTIAL INFORMATION.

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 2-1-88

BY: John R. Doy

18. I hereby certify that the foregoing is true and correct

SIGNED

*John R. Doy*

TITLE Consultant

DATE 1-25-88

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

cc: MDO (3), SJRA (1), UDOGM (2)

Federal approval of this action  
is required before commencing  
operations

\*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

INDIVIDUAL WELL RECORD

	30		

Sec. 30  
T. 37 S.  
R. 19 E.  
SLB& \_\_\_\_\_ Mer. \_\_\_\_\_  
Ref. No. \_\_\_\_\_

Date April 6, 1988

FEDERAL

Lease No. 62178 State Utah  
Lessee TEB, Inc. 100% County San Juan  
Operator TEB, Inc. Field Wildcat  
Well Name & No. Cyclone Flat 1 Unit/CA \_\_\_\_\_  
A.P.I. Well No. 43-037-31362 District Moab  
Location 660' FSL and 1980' FWL Subdivision SESW  
\*Re-Enter Approved January 26, 1988 *RE Entry Received 7/25/89* Well Elevation \*6667 ungraded ground Feet  
Date Drilling Approved November 13, 1987  
\*Date Drilling Commenced December 9, 1987 Total Depth \*2728 TVD Feet  
\*Date Drilling Ceased December 16, 1987 Initial Production \_\_\_\_\_  
Oral to P+A December 16, 1987 Gravity A.P.I. \_\_\_\_\_  
\*XXXXXXXXXXXXXXXXXXXXX December 16, 1987 Initial Reservoir Pressure \_\_\_\_\_  
Date Abandonment Approved (Final) February 2, 1989  
FAN Approved May 21, 1991

GEOLOGIC FORMATIONS

PRODUCTIVE HORIZONS

SURFACE	LOWEST TESTED	NAME	DEPTHS	CONTENTS
Cedar Mesa	*Hermosa			
SURFACE MANAGEMENT AGENCY	BLM			
MINERAL OWNERSHIP	BLM			
LEASE EXPIRATION	9/31/97			

WELL STATUS

YEAR	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1987												Oral to P+I 12/16
1989		SRA Approved 2/2/89										SRA Recd 12/23/87
1991					FAN approved							

For Government Use Only

First Production Memorandum \_\_\_\_\_ Lease Extension Memorandum \_\_\_\_\_ Confirmation \_\_\_\_\_

Remarks \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLE  
Other instructions  
re: 3160-5

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985  
CASE DESIGNATION AND SERIAL NO.

U-62178

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or to plug a well or to dig a new reservoir.  
Use "APPLICATION FOR PERMIT—" for (proposals).)

RECEIVED  
APR 29 1988

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR  
TEB, Inc. (316) 637-2340

3. ADDRESS OF OPERATOR  
Route 1, Box 82, Toronto, Ks. 66777

DIVISION OF  
OIL, GAS & MINING

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

Surface: 660' FSL & 1980' FWL (SESW) Bottom: Same

14. PERMIT NO.  
43-037-31362

15. ELEVATIONS (Show whether DF, RT, or etc.)  
6,667' ungraded ground

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME  
Cyclone Flat

9. WELL NO. #1

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA  
30-37s-19e SLBM

12. COUNTY OR PARISH  
San Juan

13. State  
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Will change proposed production casing. Production casing will be new  
4-1/2", 10 lb/ft, J-55, LT&C set at 2,750'.

No change in surface casing.

~~43-037-31362~~  
##

18. I hereby certify that the foregoing is true and correct

SIGNED

*John R. [Signature]*

TITLE

Consultant

DATE

4-27-88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: Bird (3), MDO (3), SJRA (1), UDOGM (2)

Federal approval of this action  
is required before commencing  
operations.

\*See Instructions on Reverse Side

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE 5-16-88  
BY *[Signature]*

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any statement or representation as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Form approved  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen a well. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR  
TEB, Inc. (316) 637-2340

3. ADDRESS OF OPERATOR  
Route 1, Box 82, Toronto, Ks. 66777

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

Surface: 660' FSL & 1980' FWL (SESW) Bottom: Same

14. PERMIT NO.  
43-037-31362

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6,667' ungraded ground

5. LEASE DESIGNATION AND SERIAL NO.

U-62178 PA

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Cyclone Flat

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

30-37s-19e SLBM

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Total depth will be 2,750'.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Consultant

DATE

5-12-88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: Bird (3), MDO (3), SJRA, UDOGM (2)

\*See Instructions on Reverse Side

OIL AND GAS	
DRN	RJF
JRB	GLH
DT	SLS
TEMPORARY	
1-LCR	
For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).	
MICROFILM	
FILE	

# RECEIVED FILING FOR WATER IN THE STATE OF UTAH

JUN 05 1988

JUN 1 1988

Rec. by 93  
Fee Rec. 30.00  
Receipt # 24325  
Microfilmed \_\_\_\_\_  
Roll # \_\_\_\_\_

## APPLICATION TO APPROPRIATE WATER RIGHTS SALT LAKE PRICE

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

\* WATER RIGHT NO. 09 — 1578

\* APPLICATION NO. A T63274

1. \*PRIORITY OF RIGHT: June 1, 1988 \* FILING DATE: June 1, 1988

### 2. OWNER INFORMATION

Name(s): TEB, Inc. c/o Permits West, Inc. \* Interest: \_\_\_\_\_ %  
Address: 37 Verano Loop (505) 984-8120  
City: Santa Fe State: NM Zip Code: 87505  
Is the land owned by the applicant? Yes \_\_\_\_\_ No XXX  
(If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: \_\_\_\_\_ cfs and/or Six ac-ft

4. SOURCE: Ranger Station water hole \* DRAINAGE: \_\_\_\_\_  
which is tributary to Kane Gulch  
which is tributary to Grand Gulch

POINT(S) OF DIVERSION: \_\_\_\_\_ COUNTY: San Juan  
South 2,419.7 feet and West 1,255.1 feet from the NE corner of Sec. 33, T. 37 S., R. 16 E., SLBM

Description of Diverting Works: Water will be pumped directly into 85 bbl tank trucks.  
\* COMMON DESCRIPTION: 18 miles SW of Blanding Bears Ears Quad

5. POINT(S) OF REDIVERSION N/A  
The water will be rediverted from \_\_\_\_\_ at a point: \_\_\_\_\_

Description of Rediverting Works: \_\_\_\_\_

### 6. POINT(S) OF RETURN

The amount of water consumed will be \_\_\_\_\_ cfs or 6.00 ac-ft  
The amount of water returned will be \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft  
The water will be returned to the natural stream/source at a point(s): \_\_\_\_\_

### 7. STORAGE

Reservoir Name: \_\_\_\_\_ N/A Storage Period: from \_\_\_\_\_ to \_\_\_\_\_  
Capacity: \_\_\_\_\_ ac-ft. Inundated Area: \_\_\_\_\_  
Height of dam: \_\_\_\_\_ feet  
Legal description of inundated area by 40 acre tract(s): \_\_\_\_\_

RECEIVED  
JUN 13 1988

DIVISION OF  
OIL, GAS & MINING

TEMPORARY

\* These items are to be completed by the Division of Water Rights

Appropriate

8. List any other water rights which will supplement this application ed supp. with 09-1575 (T63251)  
Application supplements other entities' water rights for stockwatering, etc.

9. NATURE AND PERIOD OF USE

Irrigation:	From _____ to _____
Stockwatering:	From _____ to _____
Domestic:	From _____ to _____
Municipal:	From _____ to _____
Mining:	From _____ to _____
Power:	From _____ to _____
Other:	From <u>June 15, 1988</u> to <u>June 14, 1989</u> June 16, 1988 Sept. 14, 1988

10. PURPOSE AND EXTENT OF USE

Irrigation: \_\_\_\_\_ acres. Sole supply of \_\_\_\_\_ acres.  
Stockwatering (number and kind): \_\_\_\_\_  
Domestic: \_\_\_\_\_ Families and/or \_\_\_\_\_ Persons  
Municipal (name): \_\_\_\_\_  
Mining: \_\_\_\_\_ Mining District in the \_\_\_\_\_ Mine  
Ores mined: \_\_\_\_\_  
Power: Plant name: \_\_\_\_\_ Type: \_\_\_\_\_ Capacity: \_\_\_\_\_  
Other (describe): Water will be used for oil well drilling mud, dust control, compaction, etc.

11. PLACE OF USE

Legal description of place of use by 40 acre tract(s):  
North 660' and West 1780' from the SE corner of Sec. 18, T. 37 S., R. 19 E., SLBM at the Cyclone Flat #9  
oil well (SWSE 18-37s-19e). South 660' and east 1980' from the NW corner of Sec. 31, T. 37 S., R. 19  
E., SLBM at the Cedar Mesa #1 oil well (NENW 31-37s-19e). South 2180' and east 1855' from the NW  
corner of Sec. 31, T. 37 S., R. 19 E., SLBM at the Cedar Mesa #2 oil well (SENW 31-37s-19e).

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of same size if necessary): From #2: Land is public and administered by the BLM. BLM has  
agreed to allow TEB to use this as a supplemental water source.

\*\*\*\*\*  
The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Brian Wood  
Signature of Applicant(s)

RECEIVED  
TEMPORARY JUN 13 1988

DIVISION OF  
OIL, GAS & MINING

STATE ENGINEER'S ENDORSEMENT

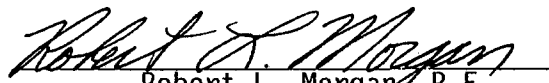
WATER RIGHT NUMBER: 09 - 1578

APPLICATION NO. T63274

1. June 1, 1988            Application received by MP.
  2. June 1, 1988            Application designated for APPROVAL by MP and KLJ.
  3. Comments:
- 

Conditions:

This application is hereby APPROVED, dated June 10, 1988, subject to prior rights and this application will expire on June 10, 1989.

  
Robert L. Morgan, P.E.  
State Engineer

**RECEIVED**  
JUN 13 1988

DIVISION OF  
OIL, GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate\*  
(Other instructions on re-verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. <b>U-62178</b>	
2. NAME OF OPERATOR <b>TEB, Inc.</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b>	
3. ADDRESS OF OPERATOR <b>Route 1, Box 82, Toronto, Kansas 66777</b>		7. UNIT AGREEMENT NAME <b>N/A</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) <b>Surface: 660' FSL &amp; 1980' FWL (SESW) Bottom: Same</b>		8. FARM OR LEASE NAME <b>Cyclone Flat</b>	
14. PERMIT NO. <b>43-037-31362</b>		9. WELL NO. <b>#1</b>	
15. ELEVATIONS (Show whether OF, RT, GR, etc.) <b>6,667' ungraded ground</b>		10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>30-37s-19e SLBM</b>	
		12. COUNTY OR PARISH <b>San Juan</b>	
		13. STATE <b>Utah</b>	

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16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
(Other) ☐

PULL OR ALTER CASING ☐  
MULTIPLE COMPLETION ☐  
ABANDON\* ☐  
CHANGE PLANS ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐  
FRACTURE TREATMENT ☐  
SHOOTING OR ACIDIZING ☐  
(Other) ☐

REPAIRING WELL ☐  
ALTERING CASING ☐  
ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

TIGHT HOLE. PLEASE KEEP CONFIDENTIAL.

Propose to re-enter well, drill out plugs (set 12-16-87), increase TD to 3,350', and attempt to complete well based on new interpretation of logs. See attached revised 8 Point Drilling Program for more details. No change in location or surface use plan.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

**Consultant**

DATE

**1-10-88**

(This space for Federal or State office use)

APPROVED BY

TITLE

**District Manager**

DATE

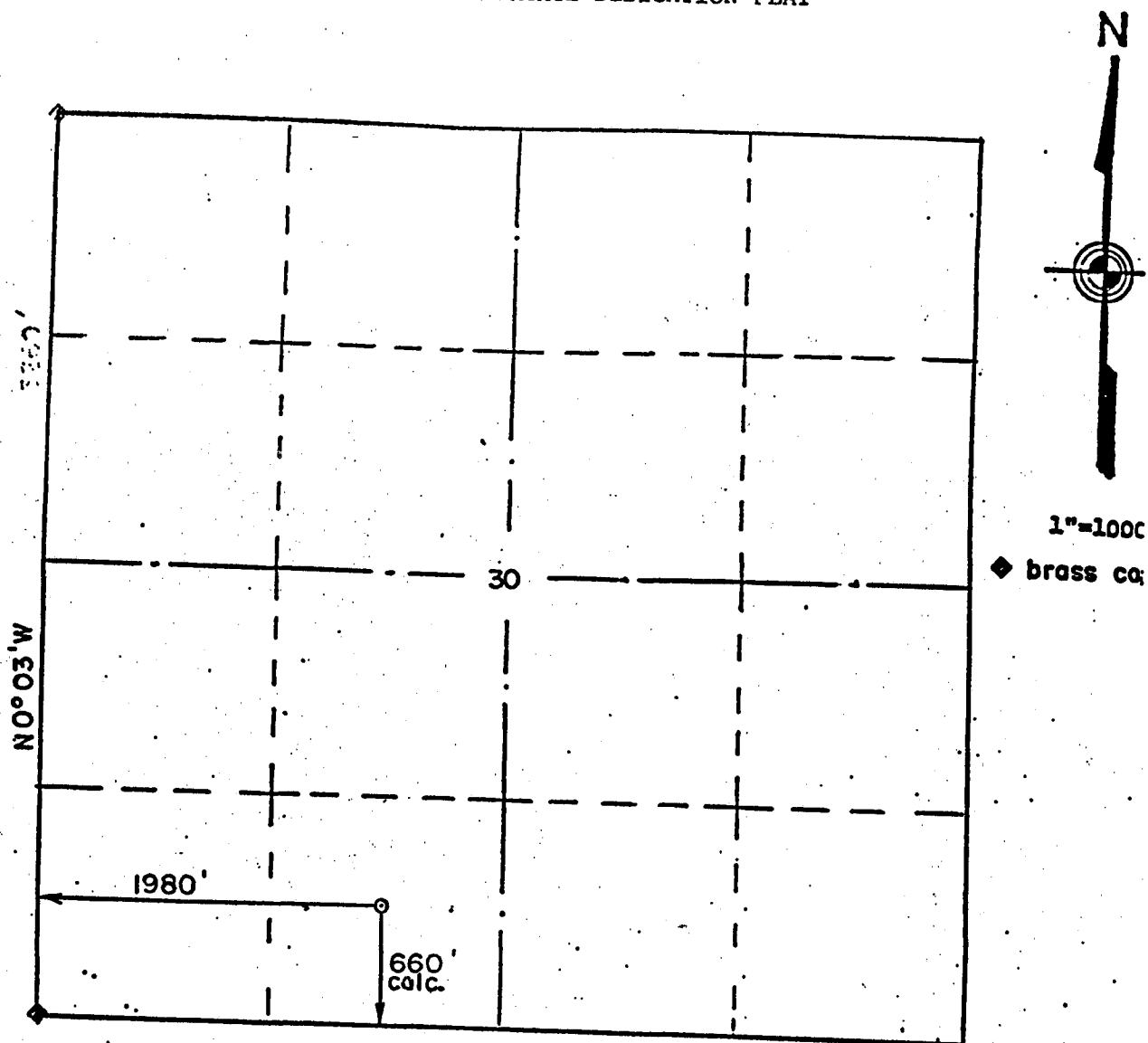
**1/26/88**

CONDITIONS OF APPROVAL, IF ANY:

CC: SJRA 1/14/88  
1/15/88 DMM  
1/25/88 ACS

\*See Instructions on Reverse Side

# WELL LOCATION AND ACREAGE DEDICATION PLAT



## WELL LOCATION DESCRIPTION:

TEB, Inc. Cyclone Flat #1  
 660' FSL & 1980' FWL  
 Section 30, T.37 S., R.19 E., SLM  
 San Juan County, Utah  
 6667' ground elevation

The above plat is true and correct to my knowledge and belief.

22 October 1987

REGISTERED LAND SURVEYOR  
 No. 5705  
 GERALD G. HUDDLESTON  
 Gerald G. Huddleston, LS  
 STATE OF UTAH

213 East Montezuma Avenue • Cortez, Colorado 81321 • 303-565-3330

**CONFIDENTIAL**

3162 (U-065)  
(U-62178)

Moab District  
P. O. Box 970  
Moab, Utah 84532

JUL 25 1989

**RECEIVED**  
JUL 27 1989

TEB, Inc.  
Route 1, Box 82  
Toronto, Kansas 66777

DIVISION OF  
OIL, GAS & MINING

Re: Rescinding Sundry Notice  
Well No. Cyclone Flat #1  
Sec. 30, T. 37 S., R. 19 E.  
San Juan County, Utah  
U-62178

43-037-31362

Gentlemen:

A Sundry Notice dated January 1, 1988 for a re-entry on the above location was approved January 26, 1988. Since that date, no known activity has transpired.

This approval was valid for a period of one year from the date of approval. In view of the foregoing, we are rescinding your Sundry Notice.

If you have any questions, please contact the Branch of Fluid Minerals at (801) 259-6111.

Sincerely yours,

/s/ Kenneth V. Rhea

District Manager

Enclosure:  
Sundry Notice

ACTING

cc: SJRA (w/o encl.)  
State of Utah, Division of Oil, Gas & Mining (w/o encl.) ✓

bcc: USO, U-942 (w/o encl.)

YButts:vb:7/19/89



Norman H. Bangerter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

August 4, 1989

TEB Inc.  
Route 1, Box 82  
Toronto, Kansas 66777

Gentlemen:

Re: Cyclone Flat 1, Sec. 30, T.37S, R.19E, San Juan County, Utah  
API No. 43-037-31362

In concert with action taken by the U.S. Bureau of Land Management, approval to re-enter and deepen the referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

Don T. Staley  
Administrative Supervisor

TAS/lde  
cc: D. R. Nielson  
R. J. Firth  
BLM-Moab  
Well file  
WE17/111